

STATE OF UTAH  
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

# UTAH NATIONAL GUARD

## WEST JORDAN AASF

## ROOFING SYSTEM REPLACEMENT

PROJECT NUMBER: 08265480

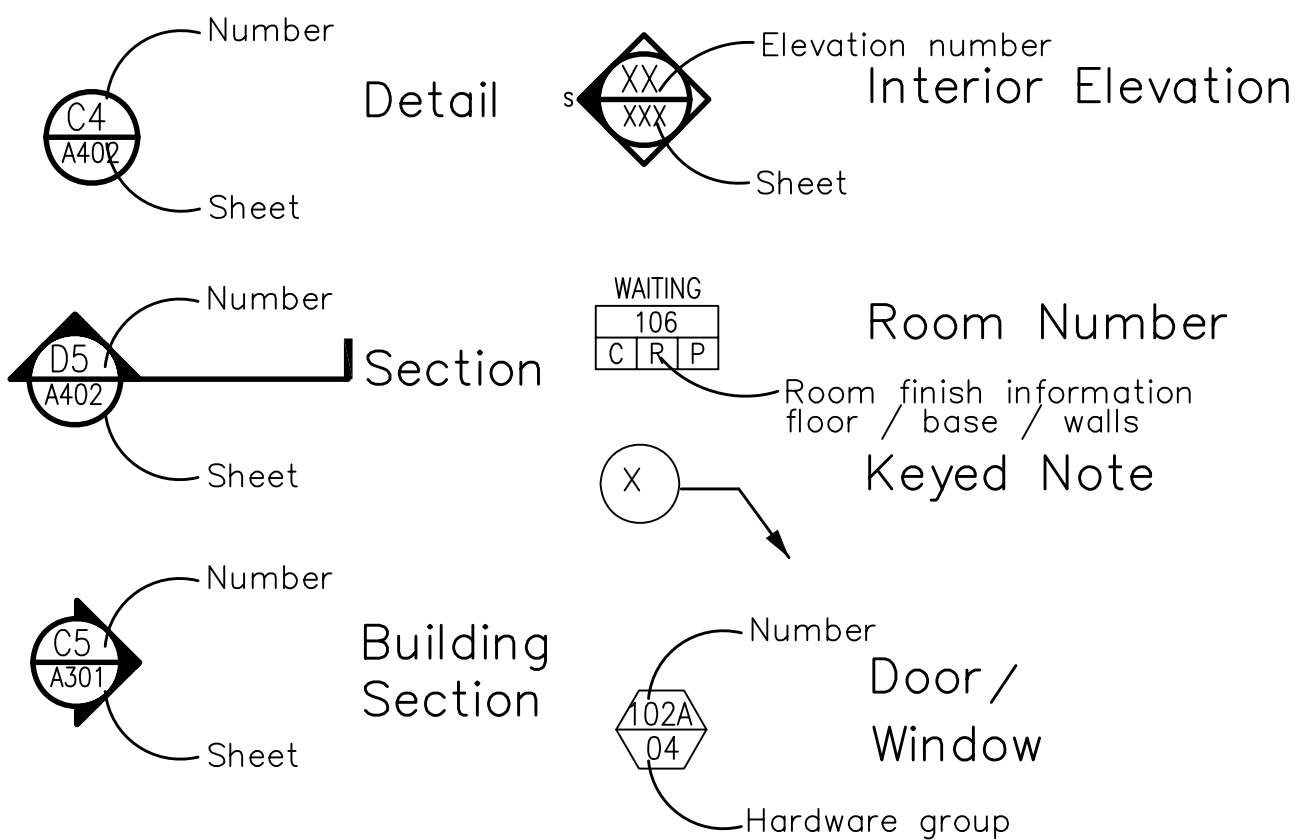
### GENERAL NOTES

1. The General Contractor, all suppliers and subcontractors will follow the direction of the Owner to maintain undisturbed all areas of the site that are outside the project limit line.
2. The purpose of the contract documents is to describe the design intent of the proposed improvements. In order to fully understand the scope of the work involved the general and sub contractors are responsible for visiting the site and studying the contract documents prior to bidding or commencing work. The General and sub contractors will be responsible for providing all work and materials related to the construction described, whether fully specified or not, such as fasteners, connectors, caulking, hardware, finishes and other such work that would constitute a complete application.
3. The contractor and subcontractors shall verify all dimensions and conditions at the site and work performed by other trades. Do not scale drawings. If dimensions are in question the Contractor or subcontractor shall be responsible for obtaining clarification from the architect prior to continuing construction of the area in question.
4. Dimensions are to be to the centerline of steel, the nominal face of concrete or masonry and the finish face of studs, unless otherwise noted.
5. All details, sections, and notes shown on the drawings are intended to be typical and shall apply to similar situations elsewhere unless noted or shown otherwise. Notes and details on drawings shall take precedence over these general notes. If general notes and specifications appear to be in conflict contact architect for clarification before proceeding with construction.
6. During and after construction the contractor and/or owner shall keep the loads on the structure within the limits of the design loads.
7. "Typ." or "Typical", as used in these documents, mean that the condition is the same or representative for all similar conditions unless otherwise noted. Details are usually keyed and noted "typical" only when they first occur and are representative for similar conditions throughout, unless noted otherwise.
8. Furnish every thing necessary and incidental for proper and satisfactory completion of all work specified, indicated or shown in the contract documents.
9. All exposed surfaces that have been modified, installed or affected by the construction process shall be cleaned, vacuumed or dusted in order to leave the premises ready for occupancy with no further cleaning necessary by the owner.
10. Patch and repair all finished surfaces damaged by construction to the satisfaction of the owner.

### Abbreviations

A/C	Air conditioning	FLR.	Floor	R.C.M.U.	Reinforced concrete masonry unit
ACOUST.	Acoustical	F.R.	Fire rated	R.D.	Roof drain
ADJ.	Adjustable	F.S.R.	Flexible sheet roofing	REG.	Regular
ALLOW.	Allowance	FTG.	Footing	R.S.	Rough-sawn
ALUM.	Aluminum			RAD.	Radius
ANOD.	Anodized	G	Gas	REINF.	Reinforcing
APPROP.	Appropriate	G.I.	Galvanized iron	REQ'D.	Required
APPROX.	Approximate	GA.	Gauge	REV.	Revised, Revision, Reversed
		GAL.	Galvanized	RM.	Room
B.U.R.	Built up roof	GRD.	Grade	R.O.	Rough opening
BLDG.	Building	GYP. BD.	Gypsum board		
BLK.	Block	G.L.B.	Glued laminated beam	S	Sewer line
BRK.	Brick			S.C.	Solid core
		H.B.	Hose bib	SCHED.	Schedule
C.I.	Cast iron	HD.	Head	SD.	Schedule
C.J.	Control joint	H.M.	Hollow metal	SH.T.	Sheet
C.M.U.	Concrete masonry unit	HORIZ.	Horizontal	SIM.	Similar
CLG.	Ceiling			SPEC.	Specification
COL.	Column	I.D.	Inside diameter	STD.	Standard
COORD.	Coordinate	INCL.	Included	STL.	Steel
CONC.	Concrete	INT.	Interior	STRUCT.	Structural
CONST.	Construction	IRRIG.	Irrigation	SYST.	System
CONTR.	Contractor	INSUL.	Insulation		
CONT.	Continuous			T & B	Top and bottom
		M.R.	Moisture resistant	T & G	Tongue and groove
D.F.	Drinking fountain	MFR.	Manufacturer	T.O.	Top of
DIA.	Diameter	MAX.	Maximum	T.O.F.	Top of footing
DIM.	Dimension	MECH.	Mechanical	T.O.W.	Top of wall
DN.	Down	MIN.	Minute	TYP.	Typical
DWG.	Drawing	M.D.F.	Medium Density Fiberboard	T.S.	Steel tube column
DWG.	Drawings				
DTL.	Detail	N.I.C.	Not in contract	U.N.O.	Unless noted otherwise
		N.T.S.	Not to scale	VERT.	Vertical
EA.	Each	NO.	Number		
E.F.	Exhaust fan	#	Number		
E.I.F.S.	Exterior insulation finish system	O.C.	On center	W	Water
		O.D.	Outside diameter	WD.	Wood
E.J.	Expansion joint	OFD.	Overflow drain	W/	With
ELECT.	Electric, Electrical	OPN'G	Opening	W.P.	Waterproof
ELEV.	Elevation	OPHD	Opposite hand	W.R.	Water resistant
EQ.	Equal			W.W.F.	Welded wire fabric
E.W.	Each way	P.L.	Plastic Laminate	W.W.M.	Welded wire mesh
EXIST.	Existing	PLYWD.	Plywood		
EXT.	Exterior	PNT.	Paint		
		PNTD.	Painted		
F.D.	Floor drain	PTD.	Painted		
F.E.	Fire extinguisher	PR.	Pair		
FDN.	Foundation	PROJ.	Project		
FIN.	Finish				

### Symbols

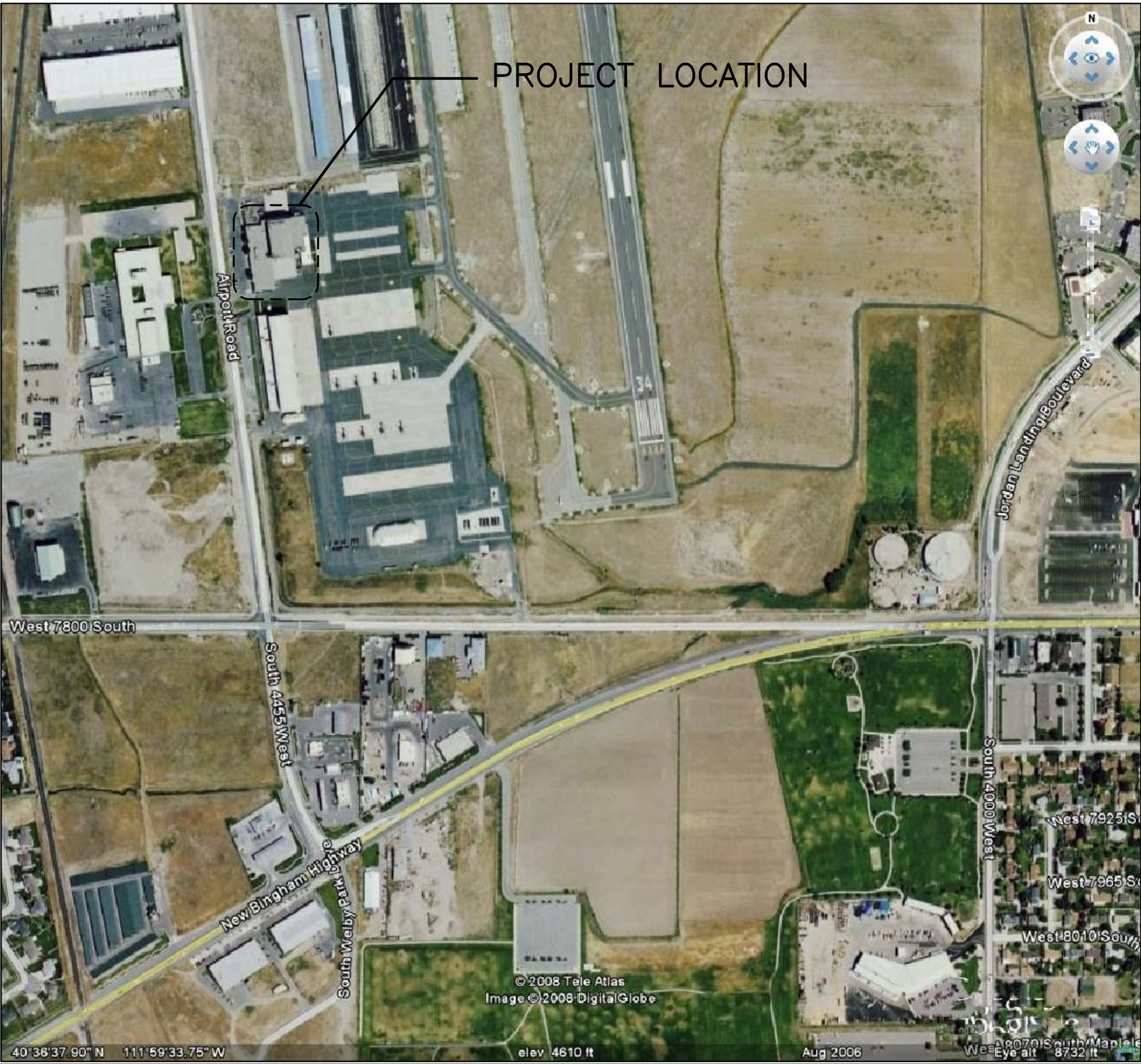


### Code Information

2006 INTERNATIONAL BUILDING CODE  
EXISTING ROOF AREA A = 24,600 S.F.  
EXISTING ROOF AREA B = 8,300 S.F.

OCCUPANCY GROUP = B & E  
CONSTRUCTION TYPE = V-A (MASONRY INTERIOR AND EXTERIOR WALLS WITH STEEL OPEN WEB JOISTS)

MINIMUM ROOF COVERING CLASSIFICATION REQUIRE = CLASS B  
ROOF CLASSIFICATION PROVIDED = CLASS B



### Index of Drawings

G101 TILE SHEET  
D101 DEMOLITION ROOF PLAN – AREA A  
D102 DEMOLITION ROOF PLAN – AREA B  
A102 ROOF PLAN – AREA A  
A102 ROOF PLAN – AREA B  
A201 ROOF DETAILS  
A202 ROOF DETAILS  
A203 ROOF DETAILS  
A204 ROOF DETAILS

### Directory

OWNER:  
STATE OF UTAH  
DIVISION OF FACILITIES  
CONSTRUCTION AND MANAGEMENT

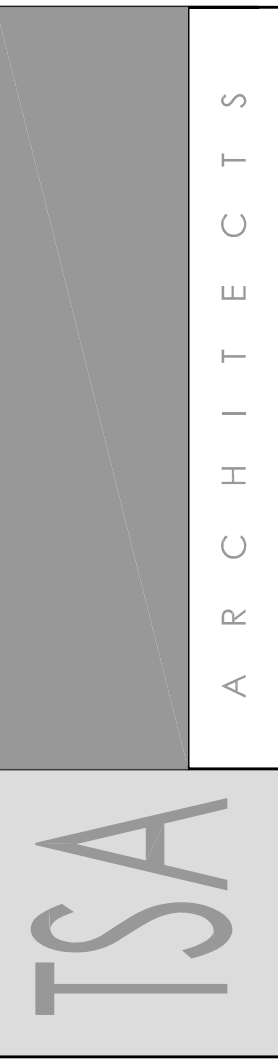
#### PROJECT MANAGER

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PHONE: (801) 538-3791  
FAX: (801) 538-3267

#### ARCHITECT:

Tracy Stocking & Associates  
Malcolm Campbell, AIA – Project Architect  
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Salt Lake City, Utah 84111  
(801) 463-7108

TRACY STOCKING & ASSOCIATES



DATE	REVISION

SEAL:

STATE OF UTAH  
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT  
UTAH NATIONAL GUARD

WEST JORDAN AASF  
ROOFING SYSTEM REPLACEMENT  
PROJECT NUMBER: 08265480

Description:

TITLE SHEET

TSA Project Number: 0826  
Date: 09/08/2008

Sheet No:

G101



1. REMOVE EXISTING GRAVEL SURFACED BUILT-UP ROOF MEMBRANE COMPLETE, INCLUDING FLASHING, BASE FLASHINGS, COUNTER FLASHINGS, FASTENERS, PATCH POCKETS, COPINGS, EXPANSION JOINTS, INSULATION DOWN TO METAL DECK, PIPE AND CONDUIT SUPPORT SKIDS, AND ROOF JACKS.
2. PROVIDE TEMPORARY SUPPORT FOR MECHANICAL EQUIPMENT, GAS, PIPES, AND ANTENNAS TO REMAIN IN USE DURING DEMOLITION AND CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING BUILDING WEATHER TIGHT THROUGHOUT THE CONSTRUCTION PERIOD.

NEW TAPERED INSULATION CRICKETS, SLOPE  
¼" TO PRIMARY ROOF DRAINS

EXISTING ROOF TO REMAIN

NEW WALK PADS OVER NEW ROOF SYSTEM

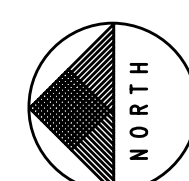
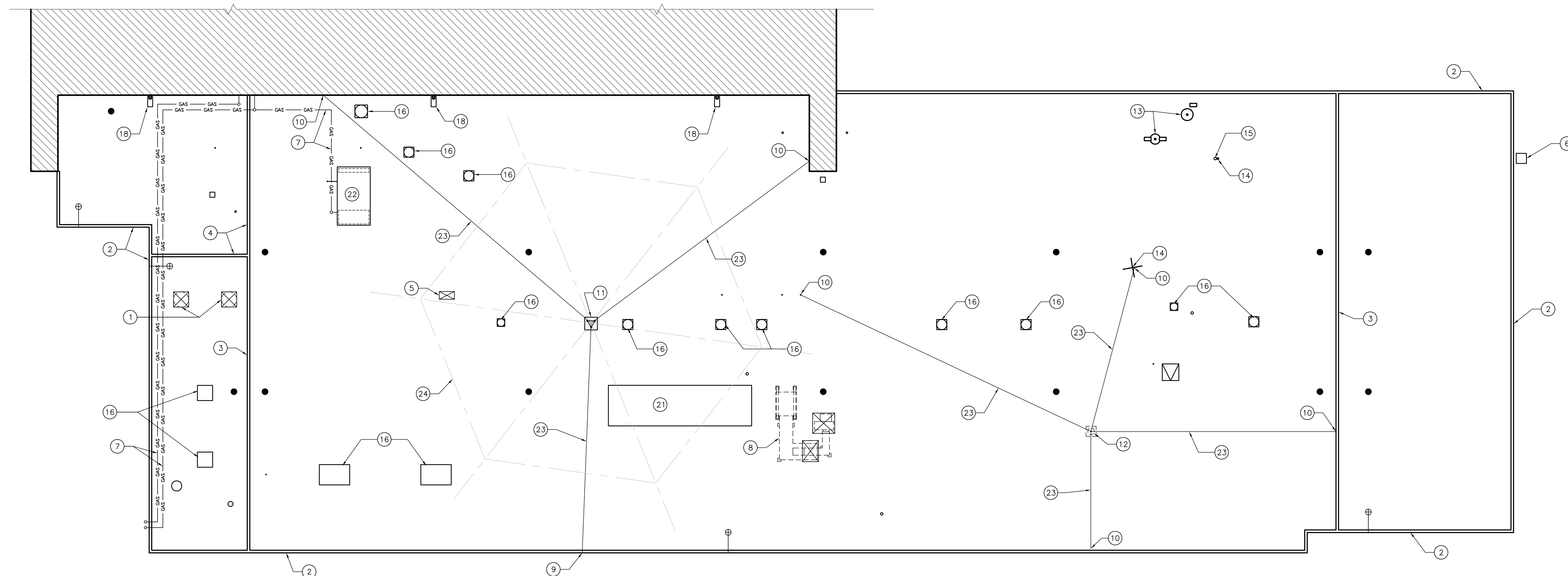
EXISTING ROOF DRAIN TO RECEIVE NEW  
RETRO FIT COPPER DRAIN INSERT IN  
EXISTING BOWL, PROVIDE NEW CAST IRON  
STRAINER, SEE DETAIL E/A201

EXISTING OVERFLOW DRAIN. UNLESS NOTED  
OTHERWISE, PROVIDE NEW RETRO FIT  
COPPER DRAIN INSERT IN EXISTING BOWL,  
PROVIDE NEW 2" DAMMING RING AND NEW  
CAST IRON STRAINER, SEE DETAIL E/A210


EXISTING VENT PIPE OR FLUE SHOWN IN  
APPROXIMATE LOCATION, VERIFY ACTUAL  
SIZE AND QUANTITY INFIELD, PROVIDE NEW  
JACK FLASHING, SEE DETAIL G/A201

1.	REMOVE EXISTING EXHAUST FAN AND CURB COMPLETE.	14.	EXISTING ANTENNA ATTACHED TO PLUMBING VENT. MOVE TO NEW PIPE SUPPORT AFTER PIPE SUPPORT IS SET.
2.	REMOVE METAL EDGE FLASHING COMPLETE, 2—SECTIONS WHERE OCCURS INCLUDING ALL FASTENERS AND CLEATS.	15.	EXISTING ANTENNA WIRE CONDUIT THROUGH ROOF, PROVIDE NEW WEATHERHEAD
3.	REMOVE BILLOWS TYPE EXPANSION JOINT FLASHING.	16.	TEMPORARILY REMOVE EXHAUST FAN TO RAISE CURB HEIGHT, TEMPORARILY DISCONNECT POWER
4.	REMOVE MEMBRANE EXPANSION JOINT FLASHING.	17.	REMOVE PITCH POCKET
5.	REMOVE ABANDONED EQUIPMENT CURB COMPLETE.	18.	SPLASH BLOCK, SALVAGE FOR RE—USE
6.	EXISTING ELECTRONIC EQUIPMENT MOUNTED TO STEEL PIPE MAST ON SIDE OF BUILDING, TEMPORARILY REMOVE AND REINSTALL TO INSTALL NEW COPING. COORDINATE WITH BUILDING MANAGEMENT FOR MINIMAL IMPACT ON USE.	19.	REMOVE OVERFLOW DRAIN BOWL, CUT DRAIN LINE FOR PROPER FIT AND INSTALLATION OF NEW DRAIN BOWL
7.	REMOVE EXISTING WOOD SUPPORT SKIDS FOR GAS PIPE(S).	20.	CUT OPENING IN EXISTING ROOF TO ACCOMMODATE NEW ROOF HATCH
8.	REMOVE AIR HANDLING EQUIPMENT COMPLETE, INCLUDING CURBS, DUCTS, AND PITCH POCKETS.	21.	EXISTING MECHANICAL UNIT TO REMAIN
9.	REMOVE GUY LINE AND ANCHOR ATTACHED TO SIDE OF ROOF.	22.	EXISTING MECHANICAL UNIT, RAISE TO INSTALL NEW FLASHING
10.	DISCONNECT GUY LINE FROM EXISTING ATTACHMENT AT WALL, EQUIPMENT OR PIPE VENT. VERIFY LOCATION AND QUANTITY IN FIELD.	23.	SALVAGE / PROTECT GUY LINES FOR REUSE
11.	EXISTING ANTENNA MAST, MOVE TO NEW CURB AND HINGED BASE, DO NOT DEMO UNTIL NEW BASE AND GUY LINE ANCHORS ARE SET TO MINIMIZE DISRUPTION OF USE.	24.	SALVAGE / PROTECT ANTENNA LINES FOR REUSE
12.	EXISTING ANTENNA MAST, TEMPORARILY REMOVE AND REINSTALL ON NEW CURB. REMOVE EXISTING CURB, COORDINATE ALL WORK ON ANTENNA AND GUY LINES WITH BUILDING OWNER. ESTABLISH SCHEDULE FOR REMOVAL AND REINSTALLATION PRIOR TO MEMBRANE TEAR—OFF.		
13.	EXISTING ANTENNA ON UNSECURED BASE TO BE RELOCATED TO NEW PIPE SUPPORT. DO NOT DISCONNECT WIRING, MOVE TO NEW PIPE SUPPORT AFTER PIPE SUPPORT IS SET		

Diagram illustrating a roof area labeled "ROOF AREA-A". The diagram shows a complex, multi-level roof structure with various rectangular sections and setbacks. The area is shaded with diagonal lines, and the label "ROOF AREA-A" is prominently displayed in the center.



SCALE: 3/32" = 1'-0"

Description: <b>DEMOLITION ROOF PLAN AREA - A</b>		TSA Project Number: 0826		Sheet No: <b>D101</b>	
STATE OF UTAH DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT UTAH NATIONAL GUARD  WEST JORDAN AASF ROOFING SYSTEM REPLACEMENT PROJECT NUMBER: 08265480		DATE: 09/08/2008			
SEAL:		DATE	REVISION	 TSA ARCHITECTS	
TRACY STOCKING & ASSOCIATES 17 EXCHANGE PLACE • SALT LAKE CITY, UTAH 84111 • PHONE: 463-7108					

1. REMOVE EXISTING GRAVEL SURFACED BUILT-UP ROOF MEMBRANE COMPLETE, INCLUDING FLASHING, BASE FLASHINGS, COUNTER FLASHINGS, FASTENERS, PATCH POCKETS, COPINGS, EXPANSION JOINTS, INSULATION DOWN TO METAL DECK, PIPE AND CONDUIT SUPPORT SKIDS, AND ROOF JACKS.
2. PROVIDE TEMPORARY SUPPORT FOR MECHANICAL EQUIPMENT, GAS, PIPES, AND ANTENNAS TO REMAIN IN USE DURING DEMOLITION AND CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING BUILDING WEATHER TIGHT THROUGHOUT THE CONSTRUCTION PERIOD.
4. BID ROOF AREA B AS ALTERNATE 1

NEW TAPERED INSULATION CRICKETS, SLOPE  
¼" TO PRIMARY ROOF DRAINS

EXISTING ROOF TO REMAIN

NEW WALK PADS OVER NEW ROOF SYSTEM

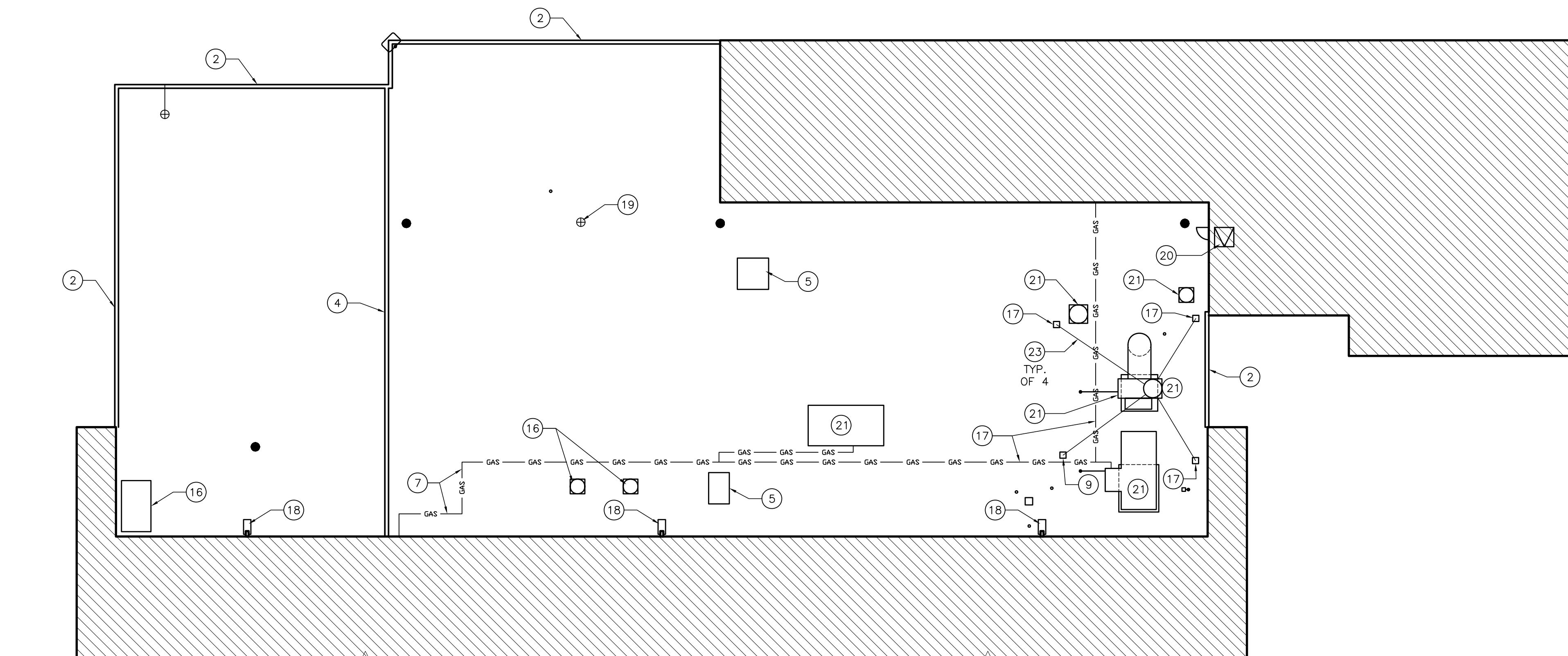
EXISTING ROOF DRAIN TO RECEIVE NEW  
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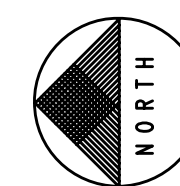
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13.	EXISTING ANTENNA ON UNSECURED BASE TO BE RELOCATED TO NEW PIPE SUPPORT. DO NOT DISCONNECT WIRING, MOVE TO NEW PIPE SUPPORT AFTER PIPE SUPPORT IS SET		

Diagram illustrating the building footprint and roof area. The roof area is shaded and labeled "ROOF AREA-B".



SCALE: 3/32" = 1'-0"

TSA  
ARCHITECTS[illegible]

SEAL:

STATE OF UTAH  
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT  
UTAH NATIONAL GUARD

WEST JORDAN AASF  
ROOFING SYSTEM REPLACEMENT  
PROJECT NUMBER: 08265480

Description:  
DEMOLITION ROOF PLAN  
AREA B

TSA Project Number:	0826
Date:	09/08/2008

Sheet No:

**D102**

GENERAL NOTES

1. INSTALL NEW ROOF SYSTEM OVER LOW SLOPE ROOF AREAS UNLESS INDICATED OTHERWISE
2. INSTALL COATED METAL DRIP EDGES AND WELD TO MEMBRANE AT ROOF EDGES
3. PROVIDE TAPERED INSULATION CRICKETS BETWEEN PRIMARY ROOF DRAINS IN ADDITION TO BASE INSULATION.
4. INSTALL NEW DRAIN INSERT IN EXISTING DRAIN BOWLS, SEE DETAILS.
5. EFFORT HAS BEEN MADE TO IDENTIFY ALL PIPE AND FLUE PENETRATIONS ON THESE ROOF PLANS, CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PIPE AND FLUE PENETRATIONS IN FIELD AND PROVIDE NEW FLASHING AS SHOWN ON DETAILS
6. BID ROOF AREA B AS ALTERNATE 1
7. TAPERED INSULATION CRICKETS INDICATED ON ROOF PLAN ARE GENERIC. THE CONTRACTOR MAY PROVIDE AN ALTERNATE DESIGN SUBJECT TO THE SLOPE MEETING THE REQUIREMENTS OF THE MEMBRANE MANUFACTURER'S WARRANTY AND THE INTERNATIONAL BUILDING CODE.
8. ANTENNA TOWERS AND GUY-LINES TO BE REMOVED AND REINSTALLED BY CONTRACTOR. ANTENNA WIRING TO BE RECONNECTED BY OWNER.
9. LOCATION OF ANTENNA BASES AND ANCHORS IS FLEXIBLE AND MAY REQUIRE MODIFICATION FOR BELOW DECK ACCESS. INTERIOR CEILINGS ARE LAY-IN ACOUSTIC TILE. ANCHORS MUST BE INSTALLED AT A MINIMUM THE DISTANCE FROM THE MAST INDICATED ON THE ROOF PLAN.
10. HAVE NEW ANTENNA BASES AND ANCHORS INSTALLED AND READY TO RECEIVE ANTENNAS AND GUY-LINES PRIOR TO DISCONNECTING AND REMOVING THEM.
11. NOTIFY BUILDING OCCUPANT ONE WEEK BEFORE REMOVAL OF ANY ANTENNA EQUIPMENT TO COORDINATE SCHEDULE. FOR 50' MAST, COORDINATE DOWN TIME AND RECONNECTION OF ANTENNA WIRING WITH OWNER. FOR ALL OTHER ANTENNAS DOWN TIME IS 8 HOURS AND ANTENNAS MUST BE REINSTALLED BY 4:00 PM.

NEW ROOF SYSTEM

CLASS-A OR B ROOF COVERING OVER NON COMBUSTIBLE DECK

(2) 1/2" LAYERS OF POLYISOCYANURATE INSULATION PLACED DIRECTLY OVER DECK AND PVC ROOFING MEMBRANE MECHANICALLY ATTACHED.

ALL INSULATION JOINTS MUST BE STAGGERED A MINIMUM OF 6 IN. FROM THE DECK JOINTS OR FROM THE INSULATION JOINTS DIRECTLY BELOW.

PROVIDE TAPERED INSULATION CRICKETS BETWEEN DRAINS TO ACHIEVE MINIMUM INCLINE OF 1/4:12. THE MAXIMUM INCLINE SHALL NOT EXCEED 1/2:12.

NEW WOOD FOR CURBS TO BE FIRE RESISTIVE TREATED LUMBER

MECHANICAL NOTES

1. ALL HEATING AND VENTILATING EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT MECHANICAL CODE REQUIREMENTS.

PLUMBING NOTES

1. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT PLUMBING CODE REQUIREMENTS, ORDINANCES AND INDUSTRY STANDARDS
2. PROVIDE ALL EQUIPMENT, ACCESSORIES AND APPLIANCES REQUIRED TO CONSTITUTE A COMPLETE INSTALLATION OF NEW EQUIP.

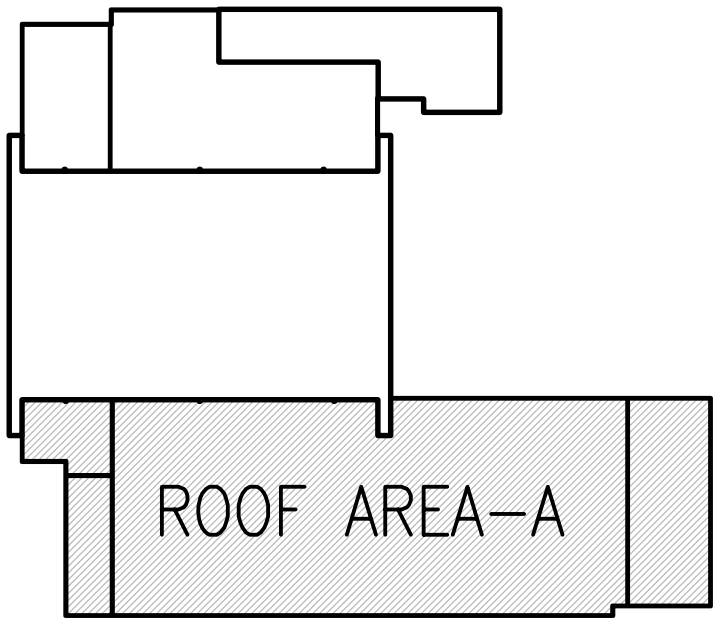
ELECTRICAL NOTES

1. TEMPORARY WIRING SHALL CONFORM TO N.E.C ARTICLE 305.

KEYED NOTES

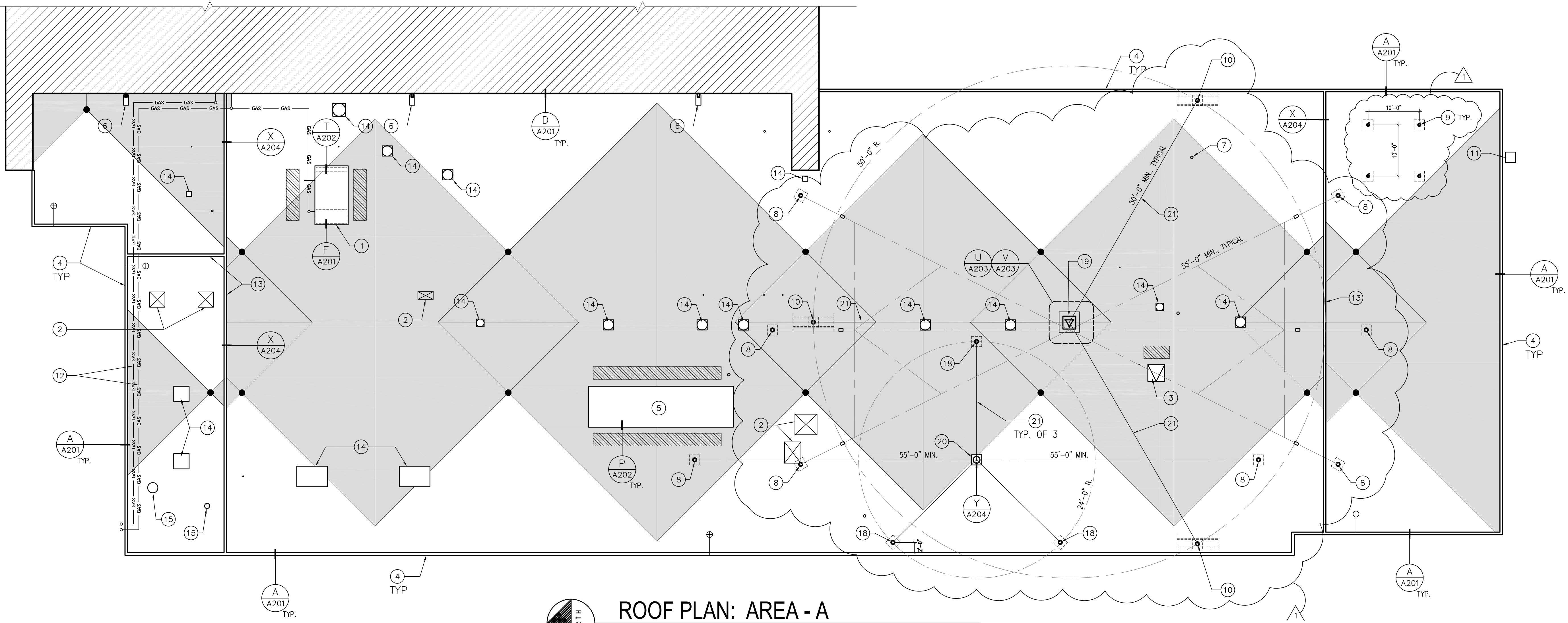
1. REMOVE AND REINSTALL EXISTING MECHANICAL EQUIPMENT - DISCONNECT EXISTING MECH. & ELEC., COORDINATE W/ BUILDING MANAGEMENT PRIOR TO SHUT OFF - INSTALL ALL NEW FLASHING, SEE DETAILS A/A201 AND F-A201
2. AT OPENING IN ROOF LEFT FROM ABANDONED MECHANICAL EQUIPMENT COVER WITH NEW METAL ROOF DECK MATCHING PROFILE OF EXISTING, OVER LAP EXISTING BY 4" MIN., SECURE WITH TEK SCREWS AT 4" O.C.
3. EXISTING SCUTTLE TO REMAIN
4. NEW PVC COATED METAL CURB AT ROOF EDGES.
5. EXISTING MECHANICAL UNIT TO BE FLASHED IN PLACE, PROVIDE NEW 2X4 FRAMING OSB SHEATHING AROUND EXISTING BASE, EXTEND MEMBRANE UP SIDES AND FLASH AT TOP, SEE DETAIL P-A202
6. SALVAGED SPLASH BLOCKS FOR DOWN SPOUT FROM ROOF ABOVE, REINSTALL AT COMPLETION OF WORK
7. EXISTING ANTENNA WIRE CONDUIT, FABRICATE NEW WEATHER HEAD AND SEAL, FLASH BASE, SEE DETAIL K-A201 AND H/A201
8. ATTACH EXISTING ANTENNA ARRAY TO NEW STEEL PIPE ANCHORS, VERIFY QUANTITY NEEDED IN FIELD, SEE DETAIL Q2/A202
9. ATTACH EXISTING ANTENNA MAST TO NEW STEEL PIPE SUPPORT ANCHORED TO ROOF DECK WITH "CONNECT-IT" ADAPTER SET FOR (2) DIFFERENT SIZED ROUND MEMBERS, COORDINATE WORK WITH BUILDING MANAGEMENT FOR MINIMAL IMPACT ON ANTENNA USE, SEE DETAIL R-A202
10. LARGE GUY LINE, PROVIDE NEW GUY LINE ANCHOR TO DECK, SEE DETAIL Q1/A202
11. EXISTING ELECTRONIC EQUIPMENT MOUNTED TO STEEL PIPE MAST ON SIDE OF BUILDING, TEMPORARILY REMOVE AND REINSTALL TO INSTALL NEW COPING, COORDINATE WITH BUILDING MANAGEMENT FOR MINIMAL IMPACT ON USE
12. EXISTING GAS LINES TO REMAIN, PROVIDE NEW SUPPORT BLOCKS AT 8'-0" O.C., SEE DETAIL S/A202
13. EXISTING EXPANSION JOINT CURB, NEW FLASHING
14. EXISTING MECHANICAL UNIT TEMPORARILY REMOVED, BUILD-UP CURB HEIGHT TO A MINIMUM 8" ABOVE ROOF MEMBRANE, PROVIDE NEW CURB FLASHING AND REINSTALL, SEE DETAIL F/A201, RECONNECT ELECTRICAL
15. EXISTING FLUE PROVIDE FLASHING FOR A HOT STACK, SEE DETAIL J/A201
16. NOT USED
17. NEW 30"x36" ROOF HATCH, CUT OPENING IN EXISTING METAL ROOF DECK AND ROOF COVERING TO FIT HATCH, EXTEND EXISTING WALL LADDER TO WITHIN 3" OF TOP OF HATCH, PROVIDE NEW STEEL CHANNEL BRACING EACH SIDE OF OPENING IN METAL DECK AND EXTEND FROM TOP OF WALL TO FIRST STEEL JOIST. PROVIDE NEW MEMBRANE PATCH TO COVER AREA WHERE EXISTING IS REMOVED TO INSTALL CHANNELS, FLASH CURB TO MEMBRANE WITH COMPATIBLE FLASHING MATERIAL, VERIFY EXISTING MEMBRANE MATERIAL IN FIELD. SEE DETAIL W/A204
18. SMALL GUY LINE, PROVIDE NEW GUY LINE ANCHOR TO DECK, SEE DETAIL Q2/A202
19. EXISTING ANTENNA TOWER SET ON NEW CURB WITH HINGE PLATE
20. REMOUNT EXISTING ANTENNA ON NEW FRAMED CURB
21. REUSE EXISTING ANTENNA GUY LINES, ADJUST LENGTH TO FIT NEW ANCHORS

KEY PLAN



LEGEND

- NEW TAPERED INSULATION CRICKETS, SLOPE 1/4" TO PRIMARY ROOF DRAINS
- EXISTING ROOF TO REMAIN
- NEW WALK PADS OVER NEW ROOF SYSTEM
- EXISTING ROOF DRAIN TO RECEIVE NEW RETRO FIT COPPER DRAIN INSERT IN EXISTING BOWL, PROVIDE NEW CAST IRON STRAINER, SEE DETAIL E/A201
- EXISTING OVERFLOW DRAIN. UNLESS NOTED OTHERWISE: PROVIDE NEW RETRO FIT COPPER DRAIN INSERT IN EXISTING BOWL, PROVIDE NEW 2" DAMMING RING AND NEW CAST IRON STRAINER, SEE DETAIL E/A210
- EXISTING VENT PIPE OR FLUE SHOWN IN APPROXIMATE LOCATION, VERIFY ACTUAL SIZE AND QUANTITY INFIELD, PROVIDE NEW JACK FLASHING, SEE DETAIL G/A201



ROOF PLAN: AREA - A  
SCALE: 3/32" = 1'-0"

TRACY STOCKING & ASSOCIATES

TSA ARCHITECTS

17 EXCHANGE PLACE, SALT LAKE CITY, UTAH 84111 • PHONE: 463-7108

DATE	REVISION
9/15/2008	ADDENDUM NO. 1

SEAL:

STATE OF UTAH  
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT  
UTAH NATIONAL GUARD

WEST JORDAN AASF  
ROOFING SYSTEM REPLACEMENT  
PROJECT NUMBER: 08265480

Description:  
ROOF PLAN  
AREA - A

TSA Project Number:  
0826

Sheet No:  
A101

Date:  
09/12/2008

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GENERAL NOTES

1. INSTALL NEW ROOF SYSTEM OVER LOW SLOPE ROOF AREAS UNLESS INDICATED OTHERWISE
2. INSTALL COATED METAL DRIP EDGES AND WELD TO MEMBRANE AT ROOF EDGES
3. PROVIDE TAPERED INSULATION CRICKETS BETWEEN PRIMARY ROOF DRAINS IN ADDITION TO BASE INSULATION.
4. INSTALL NEW DRAIN INSERT IN EXISTING DRAIN BOWLS, SEE DETAILS.
5. EFFORT HAS BEEN MADE TO IDENTIFY ALL PIPE AND FLUE PENETRATIONS ON THESE ROOF PLANS, CONTRACTOR IS RESPONSIBLE TO VERIFY ALL PIPE AND FLUE PENETRATIONS IN FIELD AND PROVIDE NEW FLASHING AS SHOWN ON DETAILS
6. BID ROOF AREA B AS ALTERNATE 1
7. TAPERED INSULATION CRICKETS INDICATED ON ROOF PLAN ARE GENERIC, THE CONTRACTOR MAY PROVIDE AN ALTERNATE DESIGN SUBJECT TO THE SLOPE MEETING THE REQUIREMENTS OF THE MEMBRANE MANUFACTURER'S WARRANTY AND THE INTERNATIONAL BUILDING CODE.
8. ANTENNA TOWERS AND GUY-LINES TO BE REMOVED AND REINSTALLED BY CONTRACTOR. ANTENNA WIRING TO BE RECONNECTED BY OWNER.
9. LOCATION OF ANTENNA BASES AND ANCHORS IS FLEXIBLE AND MAY REQUIRE MODIFICATION FOR BELOW DECK ACCESS. INTERIOR CEILINGS ARE LAY-IN ACOUSTIC TILE. ANCHORS MUST BE INSTALLED AT A MINIMUM THE DISTANCE FROM THE MAST INDICATED ON THE ROOF PLAN.
10. HAVE NEW ANTENNA BASES AND ANCHORS INSTALLED AND READY TO RECEIVE ANTENNAS AND GUY-LINES PRIOR TO DISCONNECTING AND REMOVING THEM.
11. NOTIFY BUILDING OCCUPANT ONE WEEK BEFORE REMOVAL OF ANY ANTENNA EQUIPMENT TO COORDINATE SCHEDULE. FOR 50' MAST, COORDINATE DOWN TIME AND RECONNECTION OF ANTENNA WIRING WITH OWNER. FOR ALL OTHER ANTENNAS DOWN TIME IS 8 HOURS AND ANTENNAS MUST BE REINSTALLED BY 4:00 PM.

NEW ROOF SYSTEM

CLASS-A OR B ROOF COVERING OVER NON COMBUSTIBLE DECK  
(2) 1½" LAYERS OF POLYISOCYANURATE INSULATION PLACED DIRECTLY OVER DECK AND PVC ROOFING MEMBRANE MECHANICALLY ATTACHED.  
ALL INSULATION JOINTS MUST BE STAGGERED A MINIMUM OF 6 IN. FROM THE DECK JOINTS OR FROM THE INSULATION JOINTS DIRECTLY BELOW.  
PROVIDE TAPERED INSULATION CRICKETS BETWEEN DRAINS TO ACHIEVE MINIMUM INCLINE OF ¼:12. THE MAXIMUM INCLINE SHALL NOT EXCEED ½:12.  
NEW WOOD FOR CURBS TO BE FIRE RESISTIVE TREATED LUMBER

MECHANICAL NOTES

1. ALL HEATING AND VENTILATING EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT MECHANICAL CODE REQUIREMENTS.

PLUMBING NOTES

1. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT PLUMBING CODE REQUIREMENTS, ORDINANCES AND INDUSTRY STANDARDS
2. PROVIDE ALL EQUIPMENT, ACCESSORIES AND Appliances REQUIRED TO CONSTITUTE A COMPLETE INSTALLATION OF NEW EQUIP.

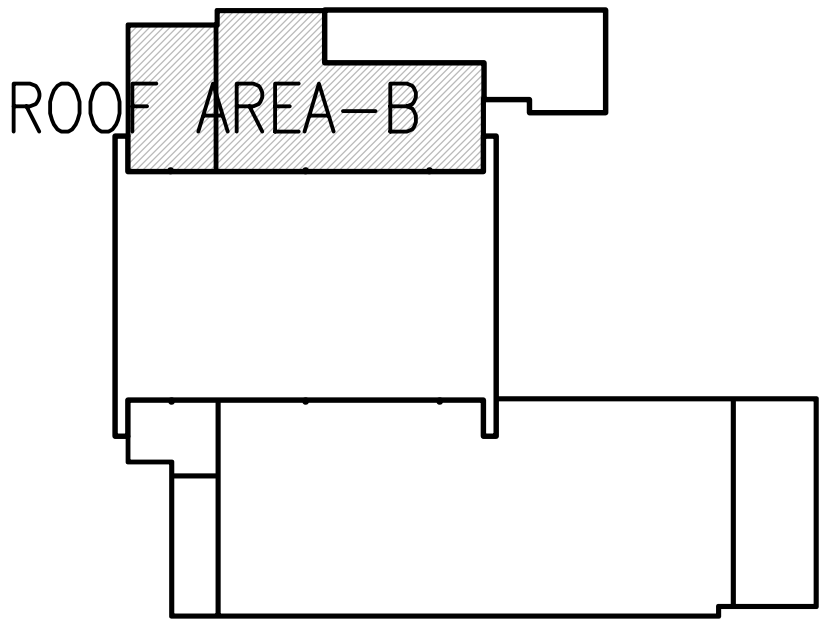
ELECTRICAL NOTES

1. TEMPORARY WIRING SHALL CONFORM TO N.E.C ARTICLE 305.

KEYED NOTES

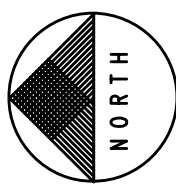
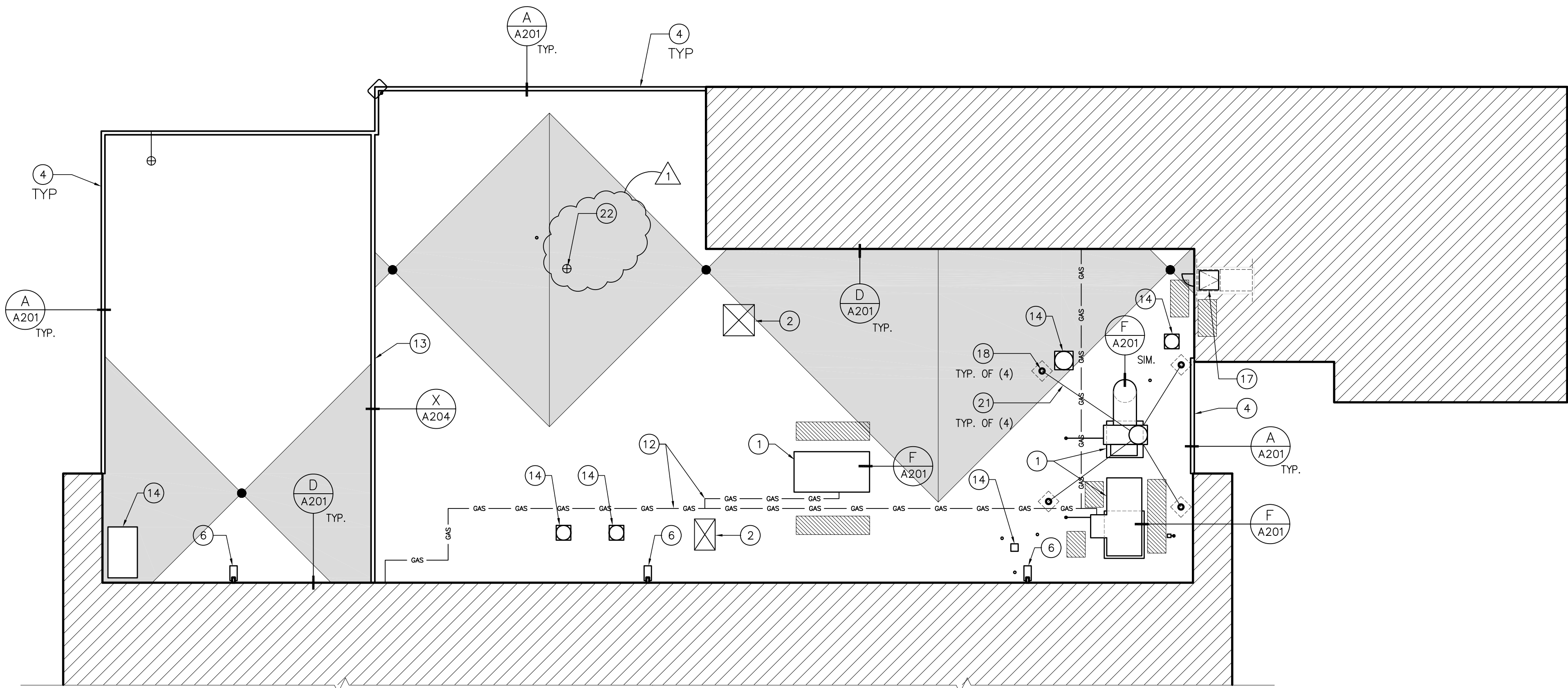
1. REMOVE AND REINSTALL EXISTING MECHANICAL EQUIPMENT – DISCONNECT EXISTING MECH.. & ELEC., COORDINATE W/ BUILDING MANAGEMENT PRIOR TO SHUT OFF – INSTALL ALL NEW FLASHING, SEE DETAILS A/A201 AND F-A201
2. AT OPENING IN ROOF LEFT FROM ABANDONED MECHANICAL EQUIPMENT COVER WITH NEW METAL ROOF DECK MATCHING PROFILE OF EXISTING, OVER LAP EXISTING BY 4" MIN., SECURE WITH TEK SCREWS AT 4" O.C.
3. EXISTING SCUTTLE TO REMAIN
4. NEW PVC COATED METAL CURB AT ROOF EDGES.
5. EXISTING MECHANICAL UNIT TO BE FLASHED IN PLACE, PROVIDE NEW 2X4 FRAMING OSB SHEATHING AROUND EXISTING BASE, EXTEND MEMBRANE UP SIDES AND FLASH AT TOP, SEE DETAIL P-A202
6. SALVAGED SPLASH BLOCKS FOR DOWN SPOUT FROM ROOF ABOVE, REINSTALL AT COMPLETION OF WORK
7. EXISTING ANTENNA WIRE CONDUIT, FABRICATE NEW WEATHER HEAD AND SEAL, FLASH BASE, SEE DETAIL K-A201 AND H/A201
8. ATTACH EXISTING ANTENNA ARRAY TO NEW STEEL PIPE ANCHORS, VERIFY QUANTITY NEEDED IN FIELD, SEE DETAIL Q2/A202
9. ATTACH EXISTING ANTENNA MAST TO NEW STEEL PIPE SUPPORT ANCHORED TO ROOF DECK WITH "CONNECT-IT" ADAPTER SET FOR (2) DIFFERENT SIZED ROUND MEMBERS, COORDINATE WORK WITH BUILDING MANAGEMENT FOR MINIMAL IMPACT ON ANTENNA USE, SEE DETAIL R-A202
10. LARGE GUY LINE, PROVIDE NEW GUY LINE ANCHOR TO DECK, SEE DETAIL Q1/A202
11. EXISTING ELECTRONIC EQUIPMENT MOUNTED TO STEEL PIPE MAST ON SIDE OF BUILDING, TEMPORARILY REMOVE AND REINSTALL TO INSTALL NEW COPING, COORDINATE WITH BUILDING MANAGEMENT FOR MINIMAL IMPACT ON USE
12. EXISTING GAS LINES TO REMAIN, PROVIDE NEW SUPPORT BLOCKS AT 8'-0" O.C., SEE DETAIL S/A202
13. EXISTING EXPANSION JOINT CURB, NEW FLASHING
14. EXISTING MECHANICAL UNIT TEMPORARILY REMOVED, BUILD-UP CURB HEIGHT TO A MINIMUM 8" ABOVE ROOF MEMBRANE, PROVIDE NEW CURB FLASHING AND REINSTALL, SEE DETAIL F/A201, RECONNECT ELECTRICAL
15. EXISTING FLUE PROVIDE FLASHING FOR A HOT STACK, SEE DETAIL J/A201
16. NOT USED
17. NEW 30"x36" ROOF HATCH, CUT OPENING IN EXISTING METAL ROOF DECK AND ROOF COVERING TO FIT HATCH, EXTEND EXISTING WALL LADDER TO WITHIN 3" OF TOP OF HATCH, PROVIDE NEW STEEL CHANNEL BRACING EACH SIDE OF OPENING IN METAL DECK AND EXTEND FROM TOP OF WALL TO FIRST STEEL JOIST. PROVIDE NEW MEMBRANE PATCH TO COVER AREA WHERE EXISTING IS REMOVED TO INSTALL CHANNELS, FLASH CURB TO MEMBRANE WITH COMPATIBLE FLASHING MATERIAL, VERIFY EXISTING MEMBRANE MATERIAL IN FIELD. SEE DETAIL W/A204
18. SMALL GUY LINE, PROVIDE NEW GUY LINE ANCHOR TO DECK, SEE DETAIL Q2/A202
19. EXISTING ANTENNA TOWER SET ON NEW CURB WITH HINGE PLATE
20. REMOUNT EXISTING ANTENNA ON NEW FRAMED CURB
21. REUSE EXISTING ANTENNA GUY LINES, ADJUST LENGTH TO FIT NEW ANCHORS
22. INSTALL NEW DRAIN BOWL ON MODIFIED DRAIN PIPE, SEE DETAIL L/A201.

KEY PLAN



LEGEND

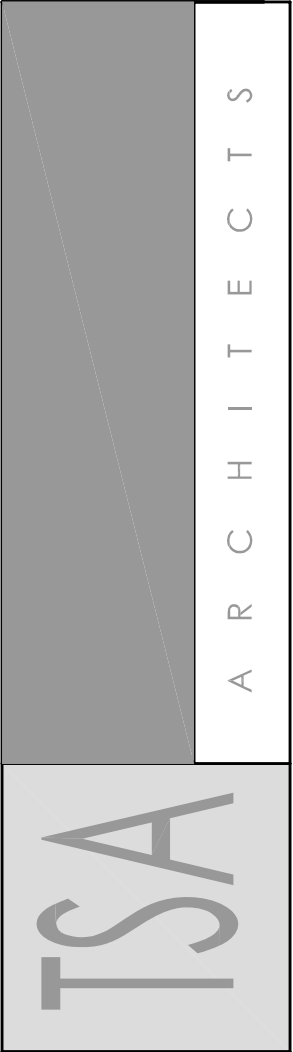
- NEW TAPERED INSULATION CRICKETS, SLOPE ¼" TO PRIMARY ROOF DRAINS
- EXISTING ROOF TO REMAIN
- NEW WALK PADS OVER NEW ROOF SYSTEM
- EXISTING ROOF DRAIN TO RECEIVE NEW RETRO FIT COPPER DRAIN INSERT IN EXISTING BOWL, PROVIDE NEW CAST IRON STRAINER, SEE DETAIL E/A201
- EXISTING OVERFLOW DRAIN, UNLESS NOTED OTHERWISE: PROVIDE NEW RETRO FIT COPPER DRAIN INSERT IN EXISTING BOWL, PROVIDE NEW 2" DAMMING RING AND NEW CAST IRON STRAINER, SEE DETAIL E/A210
- EXISTING VENT PIPE OR FLUE SHOWN IN APPROXIMATE LOCATION, VERIFY ACTUAL SIZE AND QUANTITY INFIELD, PROVIDE NEW JACK FLASHING, SEE DETAIL G/A201



ALTERNATE 1  
ROOF PLAN: AREA - B

SCALE: 3/32" = 1'-0"

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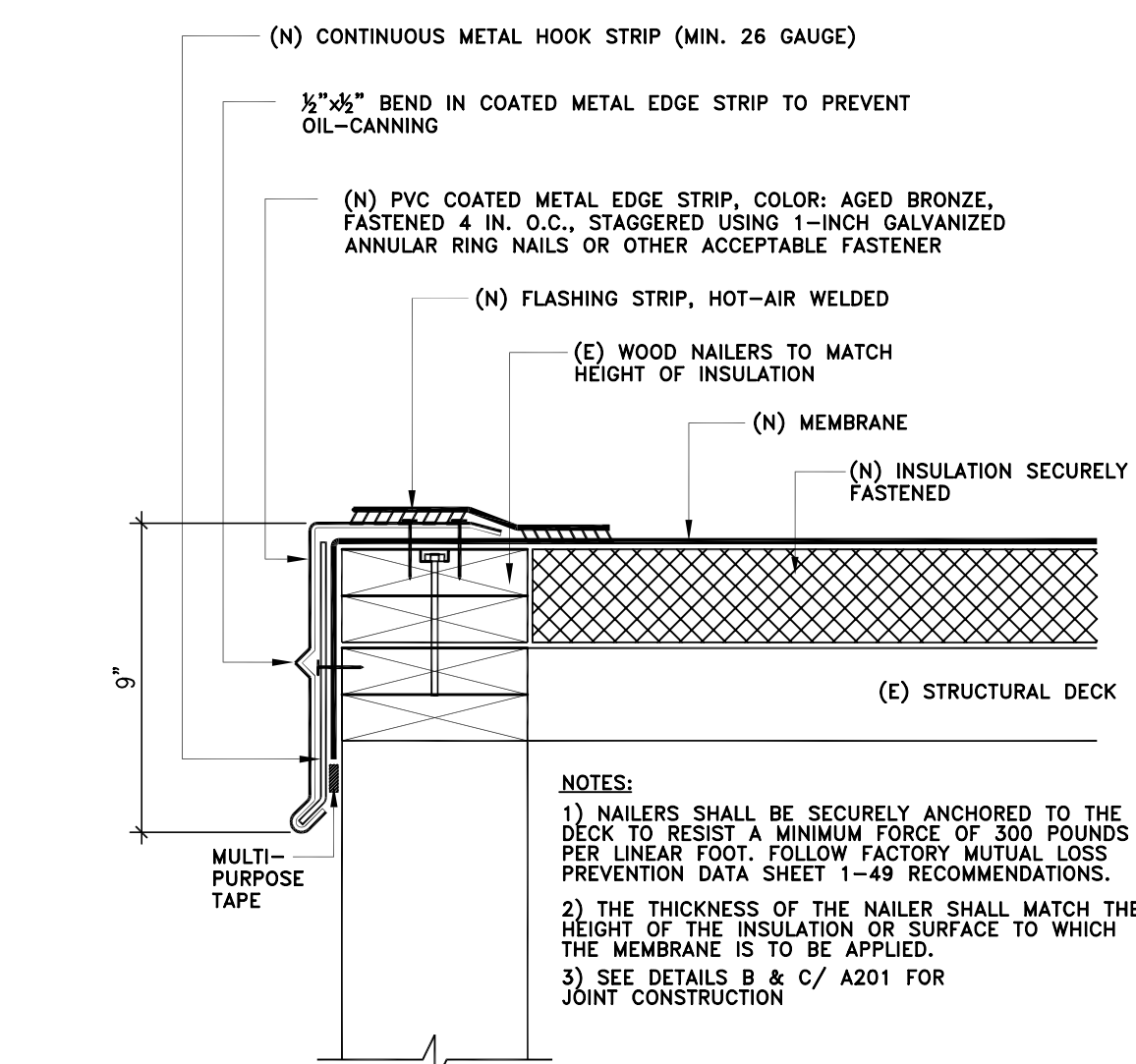
REVISION	DATE	ADDENDUM NO. 1
	9/15/2008	

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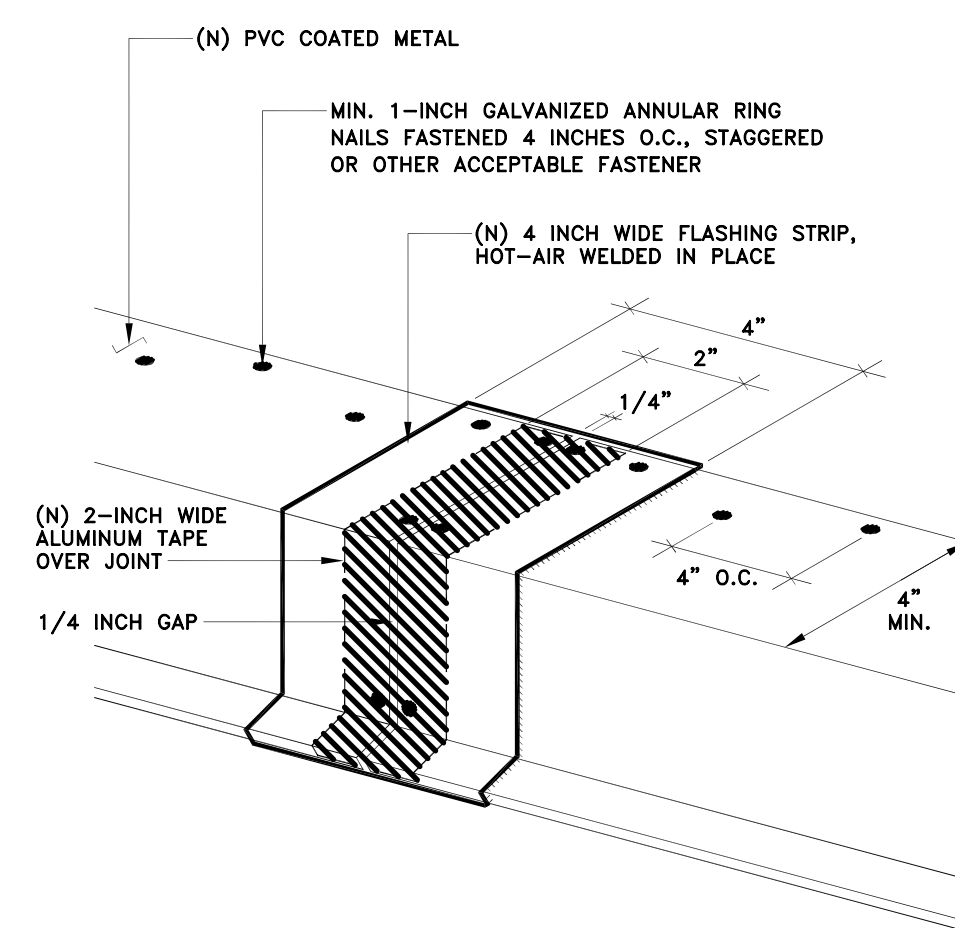
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DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT  
UTAH NATIONAL GUARD  
WEST JORDAN AASF  
ROOFING SYSTEM REPLACEMENT  
PROJECT NUMBER: 08265480

Description:  
ROOF PLAN  
AREA - B

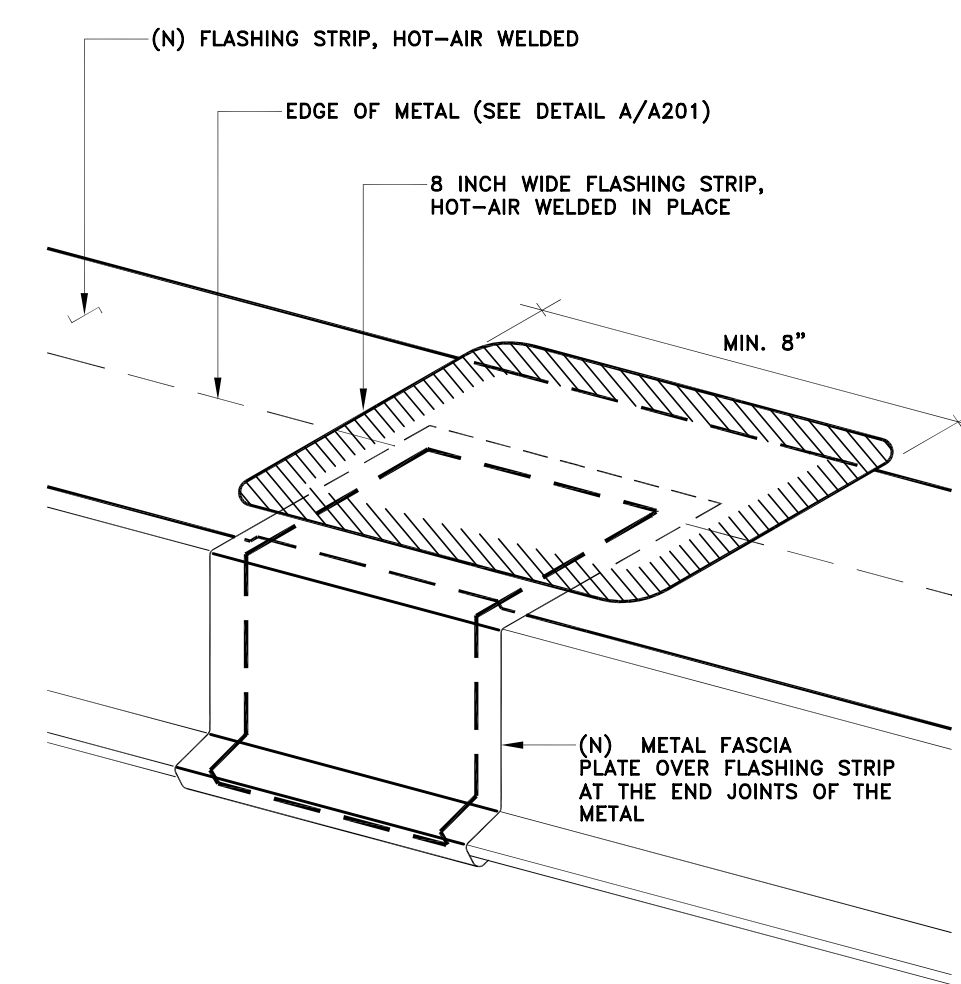
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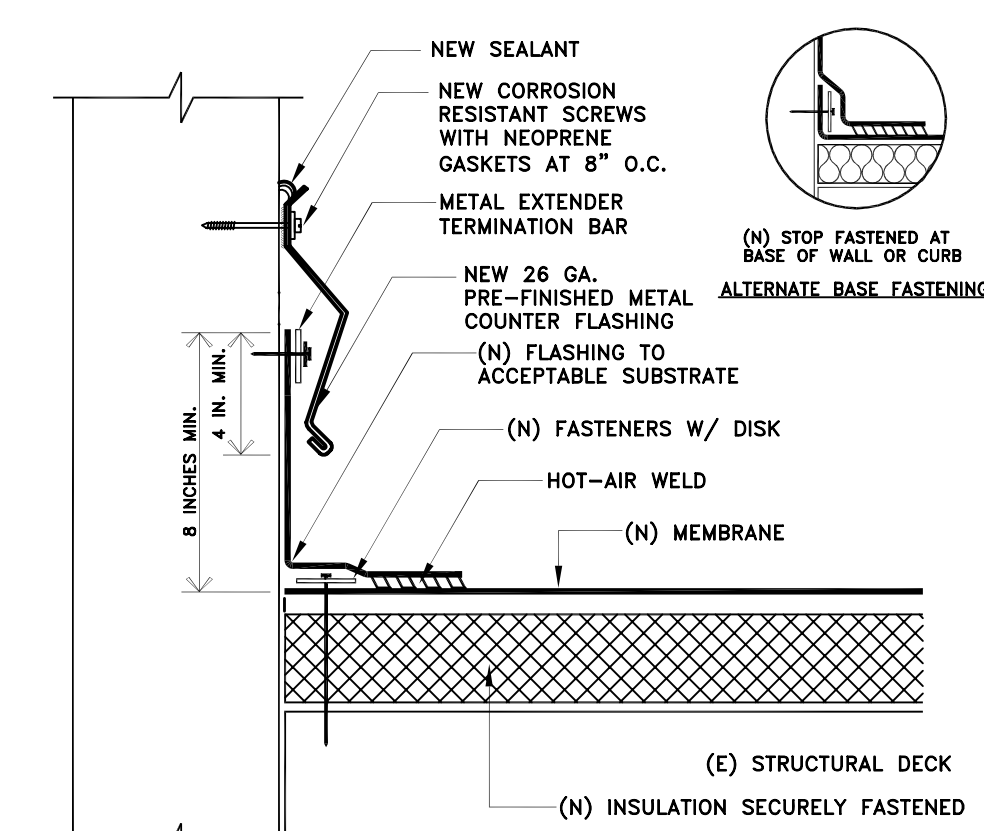
**A** ROOF EDGE DETAIL  
- N.T.S.



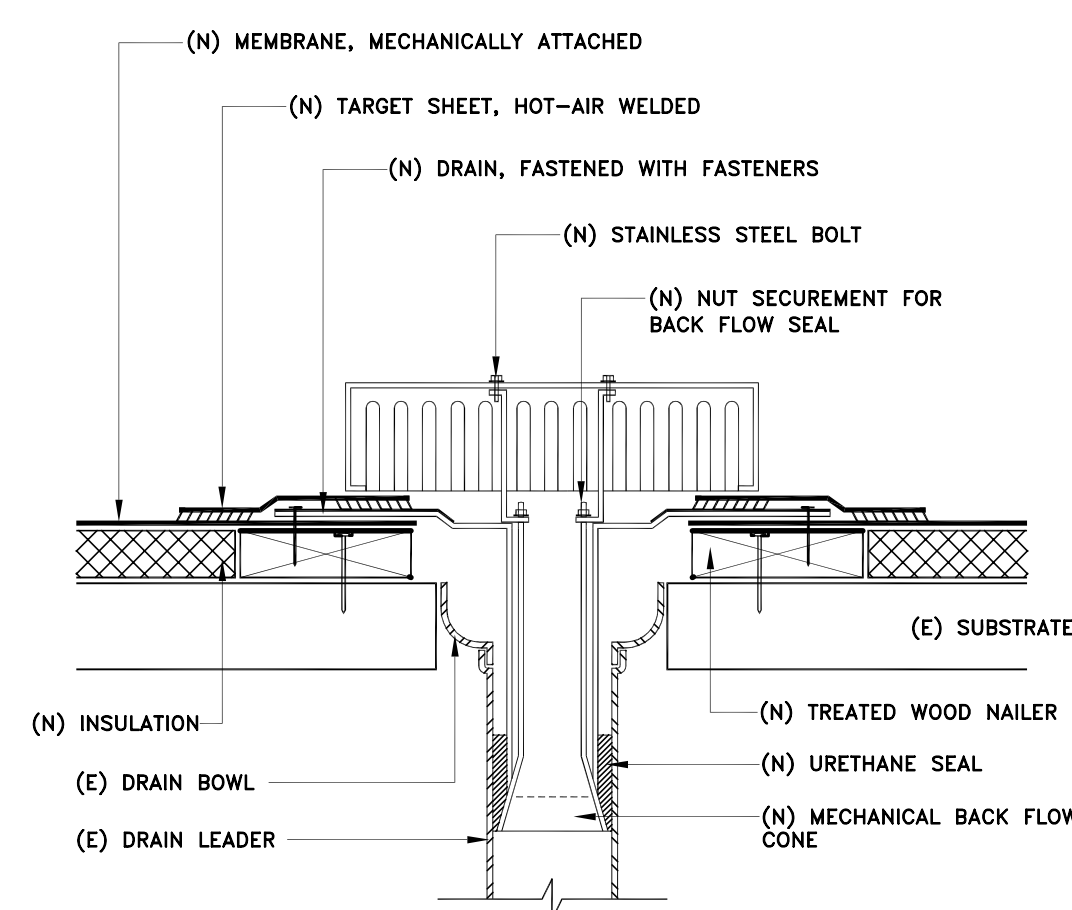
B -	ROOF EDGE JOINT FLASHING DETAIL N.T.S.
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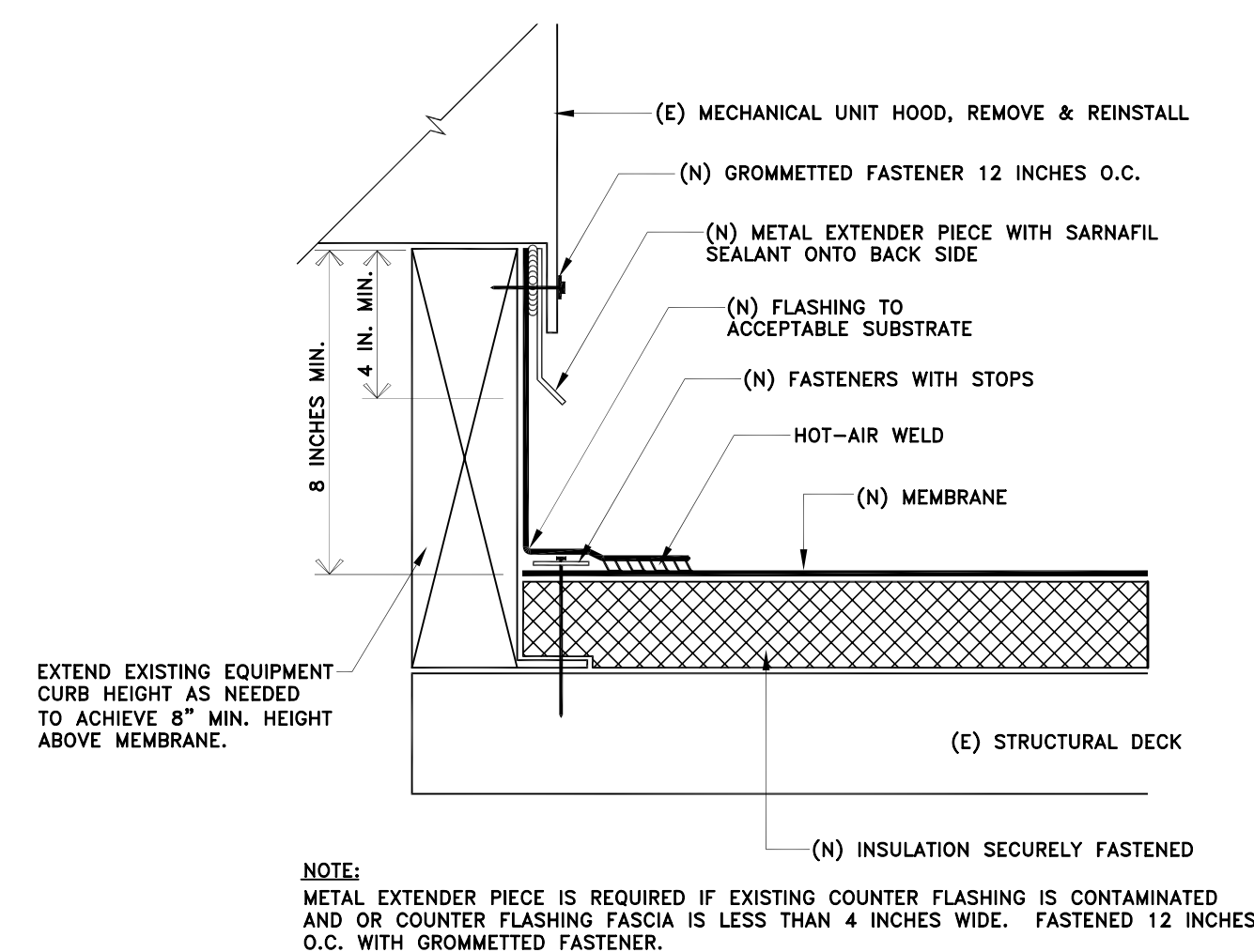
**C** FASCIA PLATE @ ROOF EDGE DETAIL  
- N.T.S.



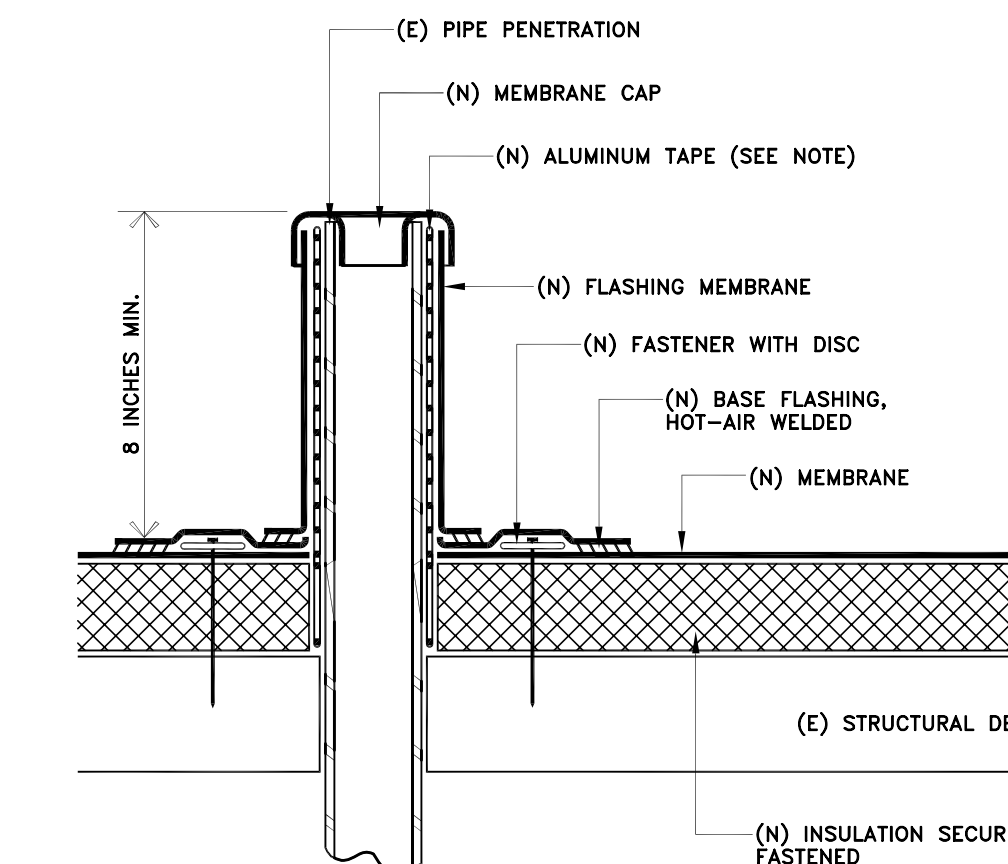
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	N.T.S.



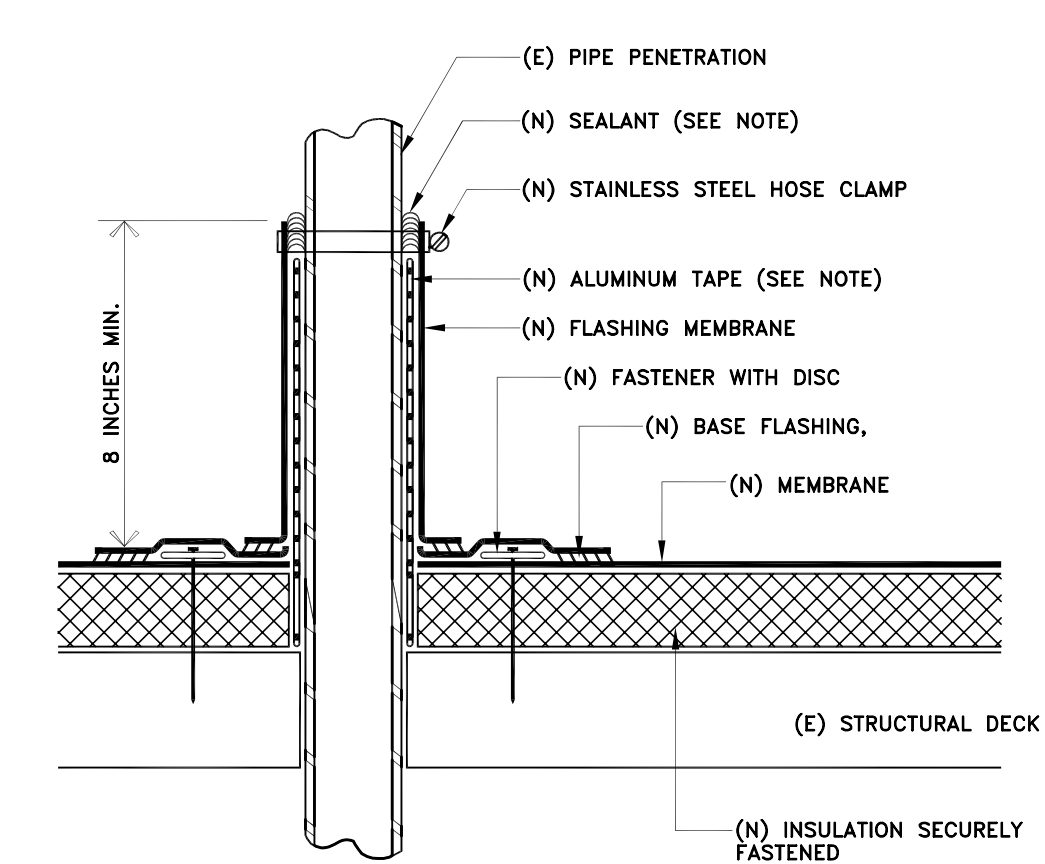
**E** ROOF DRAIN INSERT DETAIL  
- N.T.S



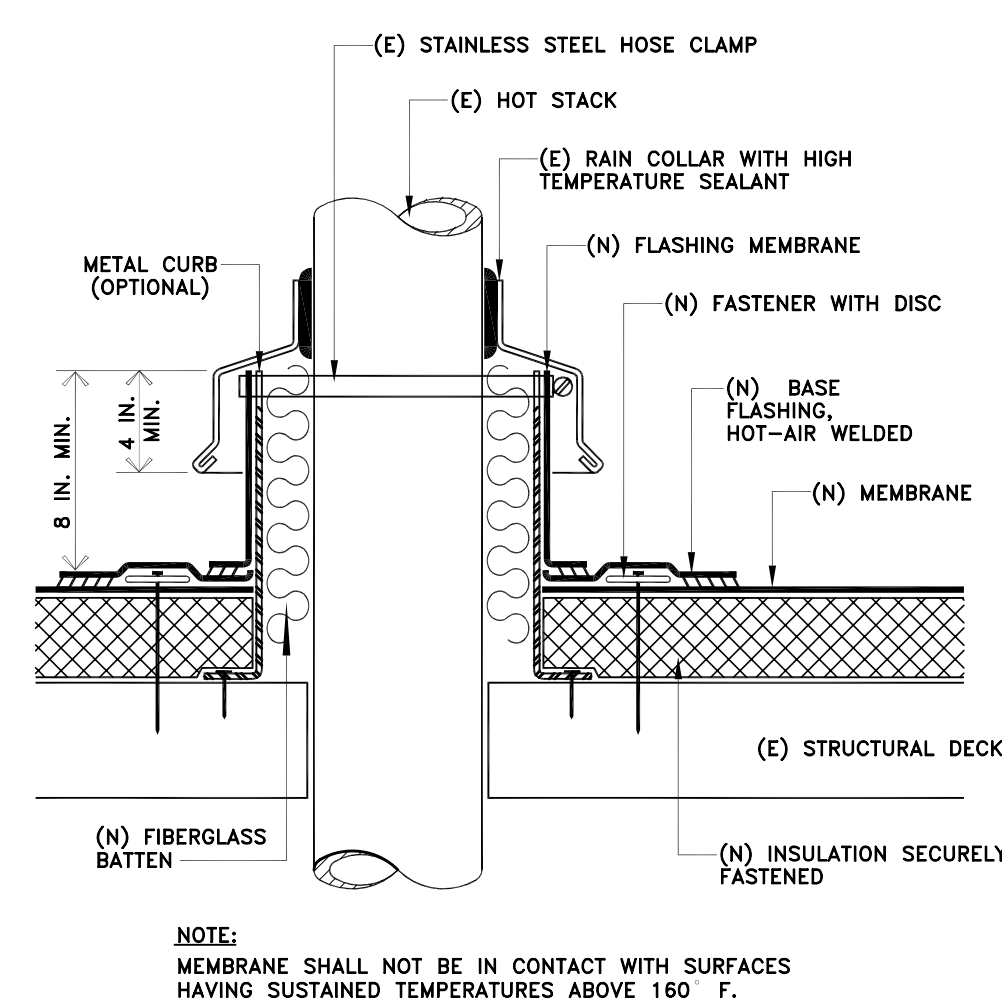
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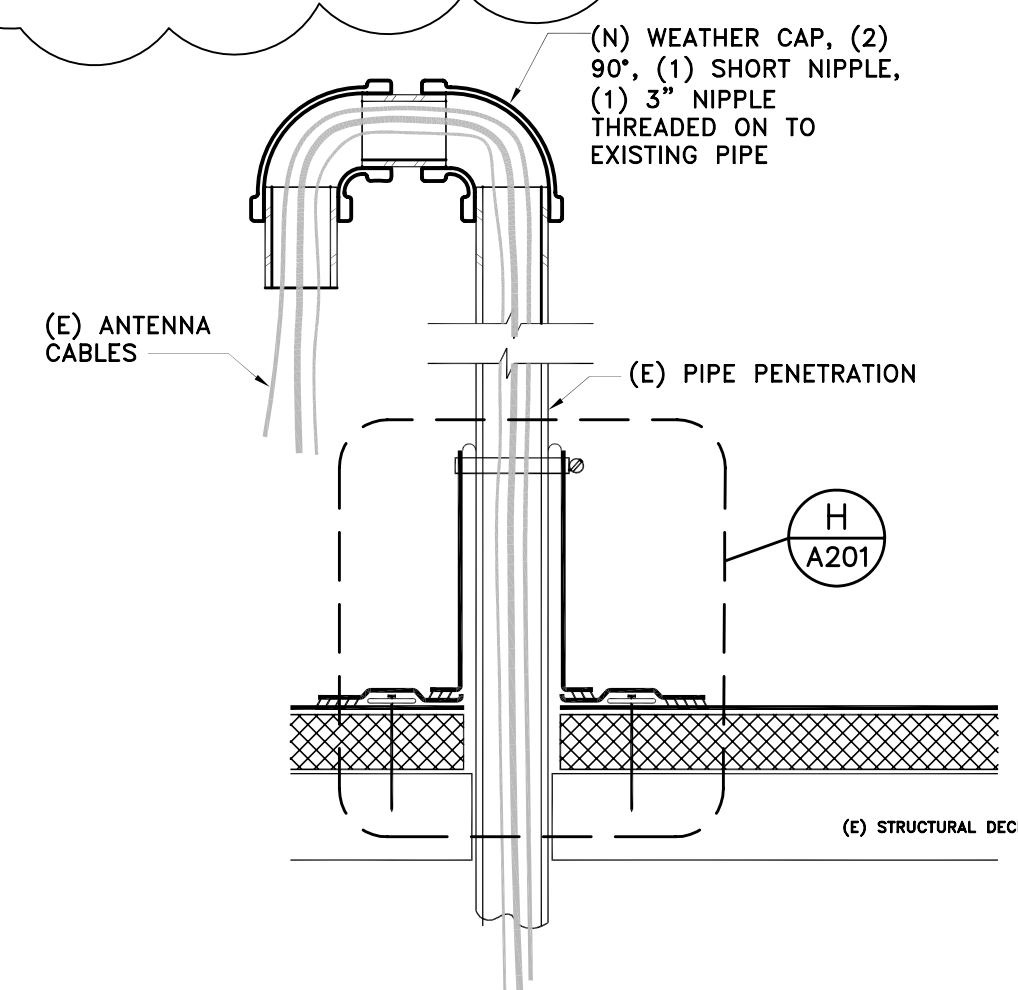
G PIPE FLASHING DETAILS  
N.T.S.



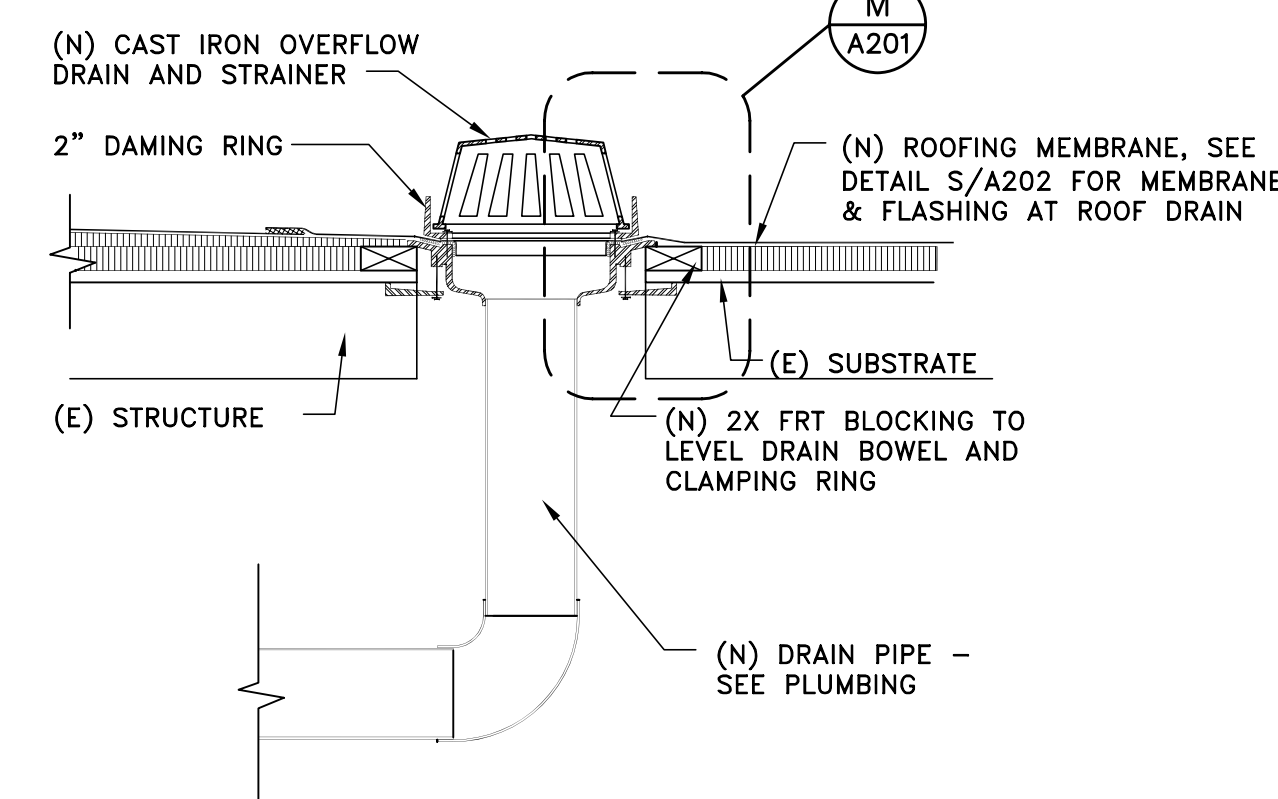
H	FLASH/PIPE FLASHING DETAILS
-	N.T.S.



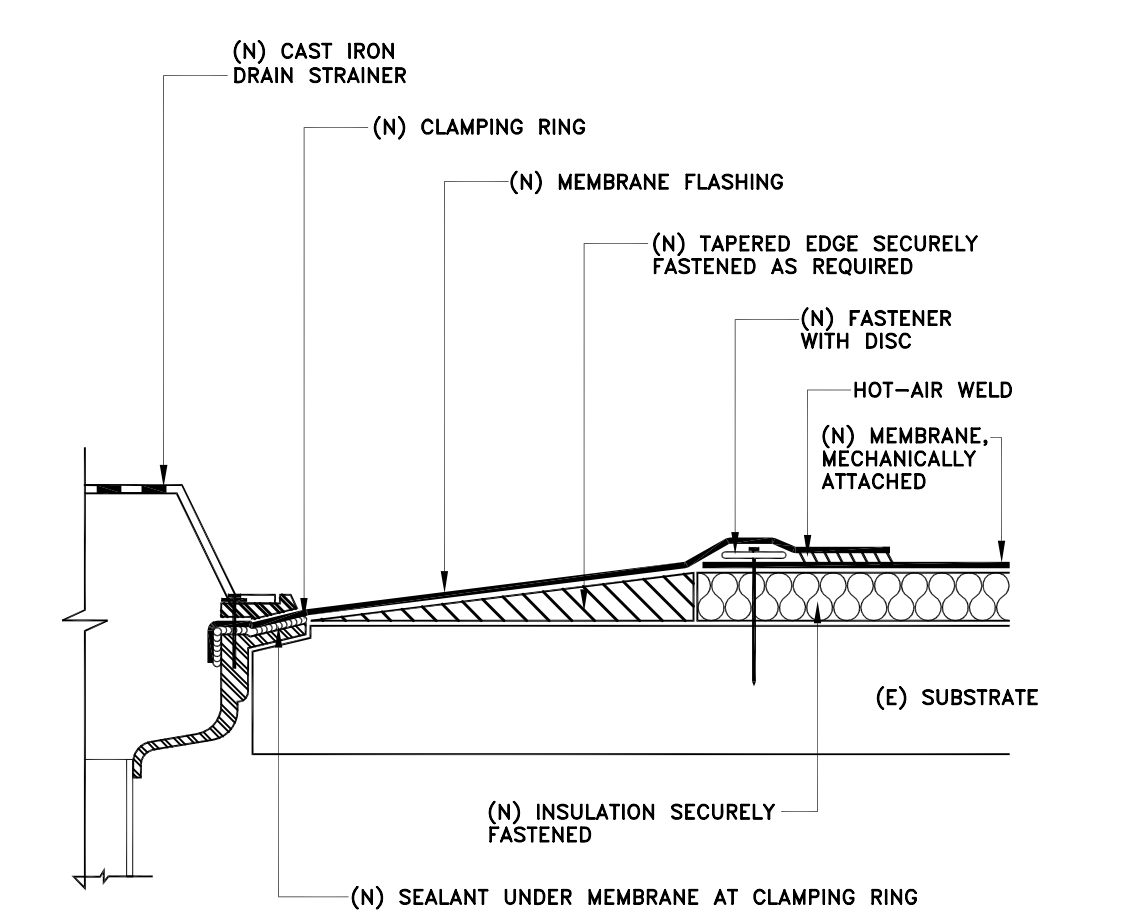
## J - HOT STACK FLASHING DETAILS --- J - N.T.S.



K ANTENNA WEATHERHEAD DETAIL  
- N.T.S.



**L** NEW SECONDARY ROOF DRAIN DETAIL  
- N.T.S.



**M** MEMBRANE AT NEW ROOF DRAIN DETAIL  
- N.T.S.

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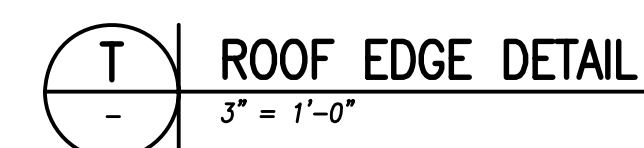
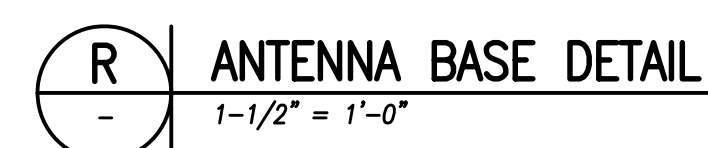
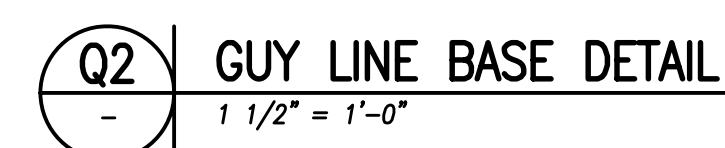
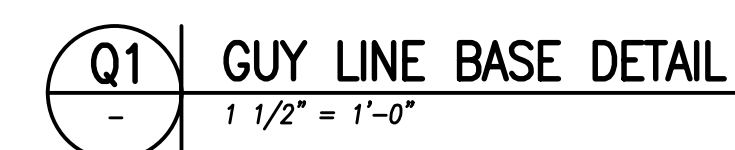
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ROOFING SYSTEM REPLACEMENT  
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ROOF DETAILS

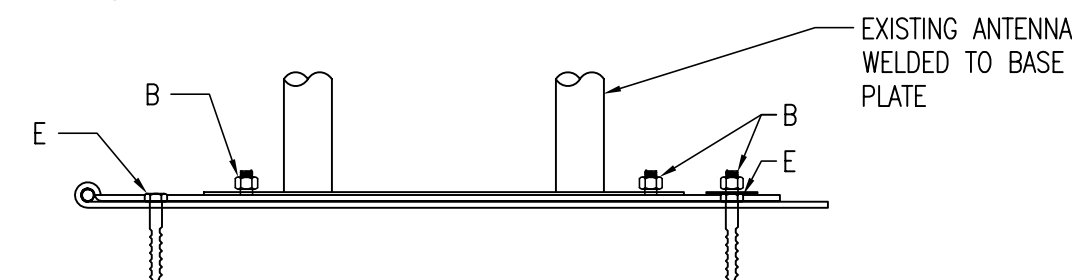
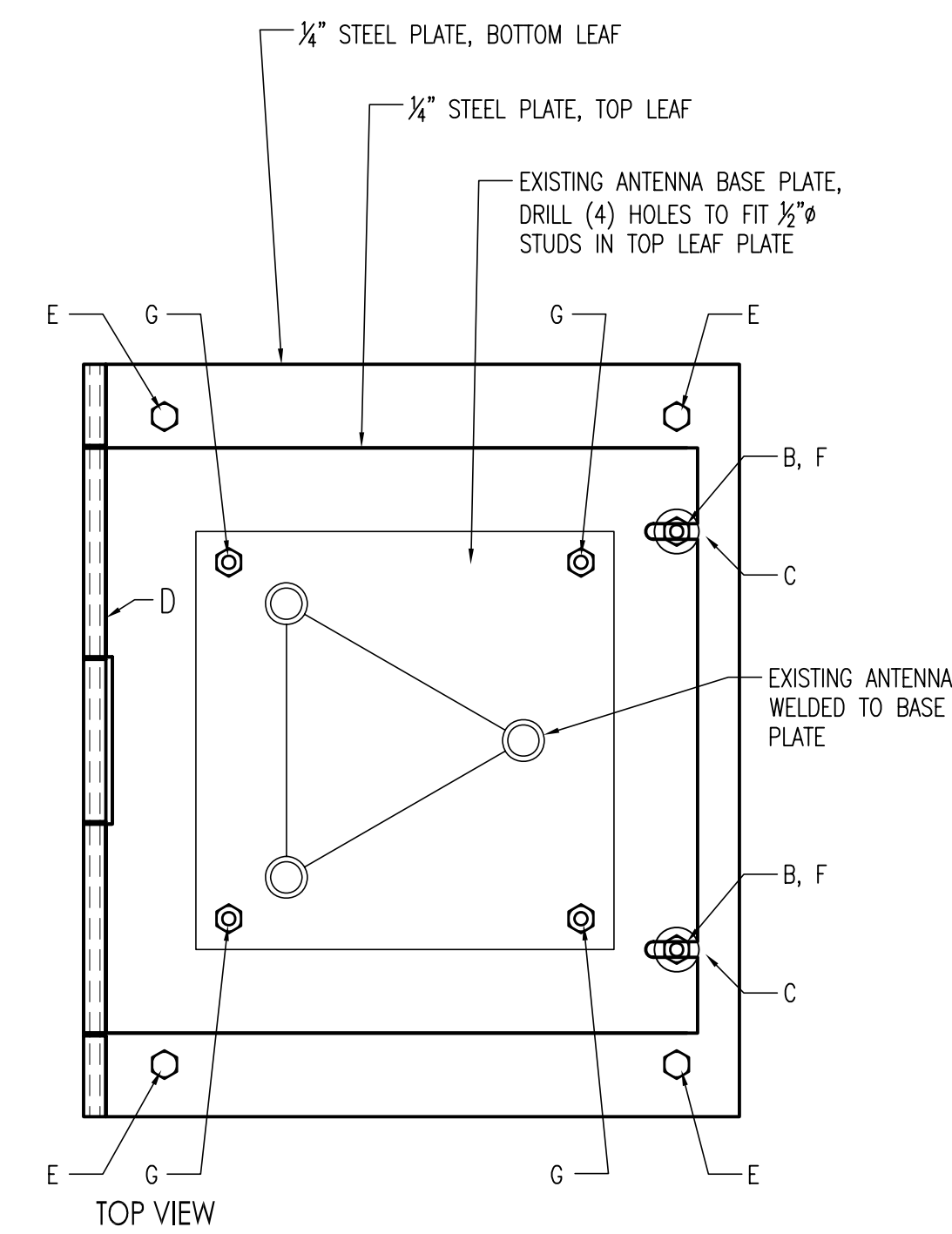
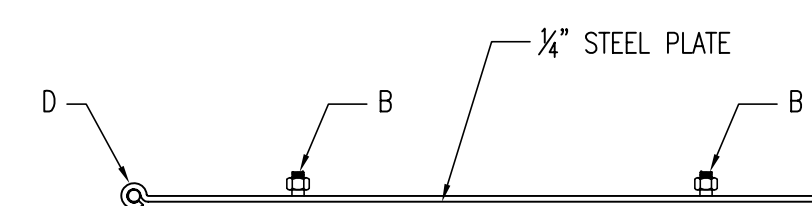
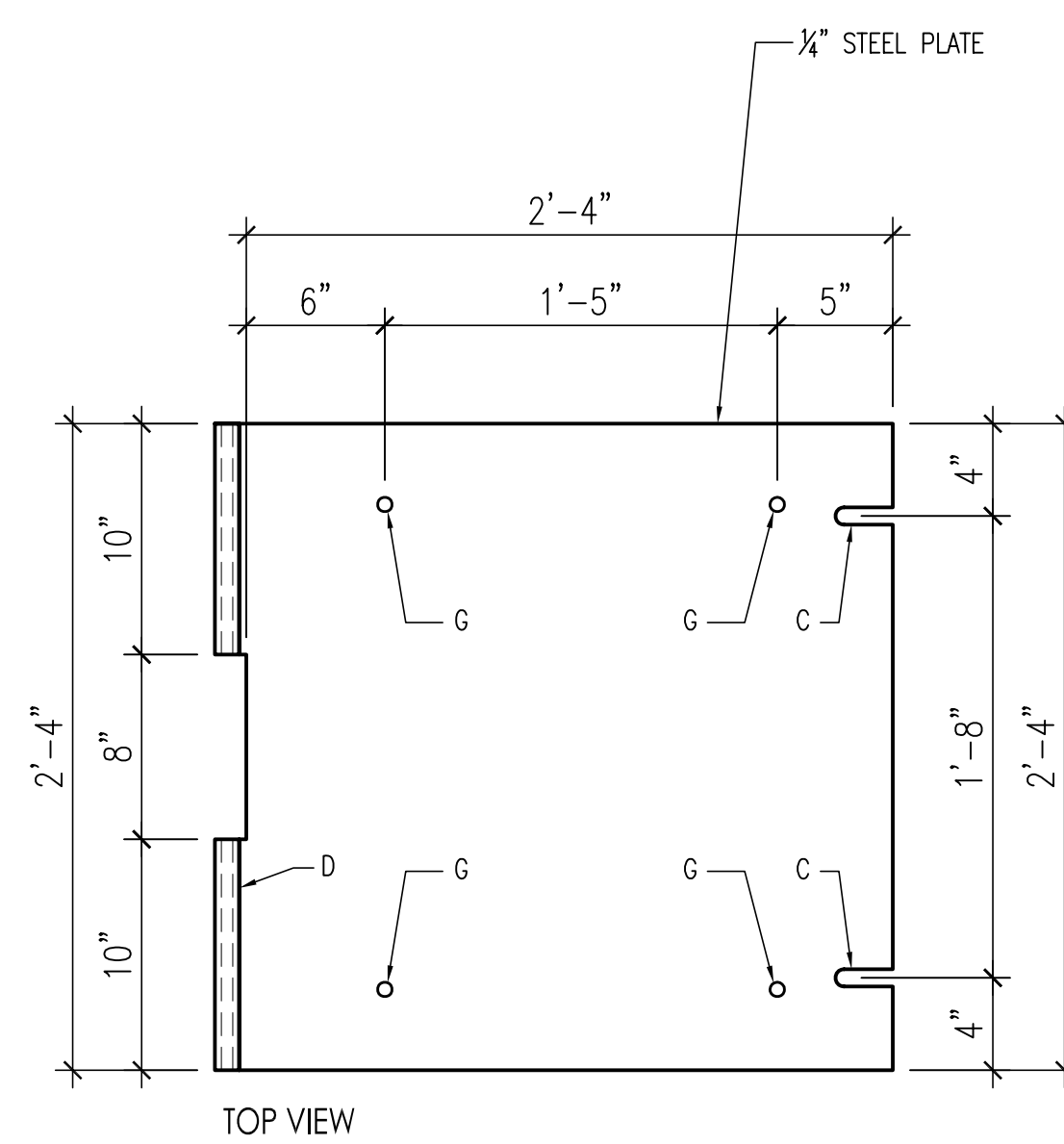
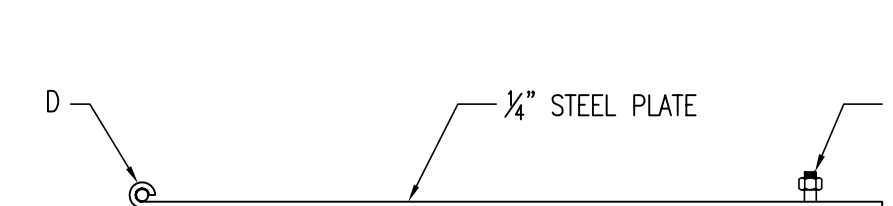
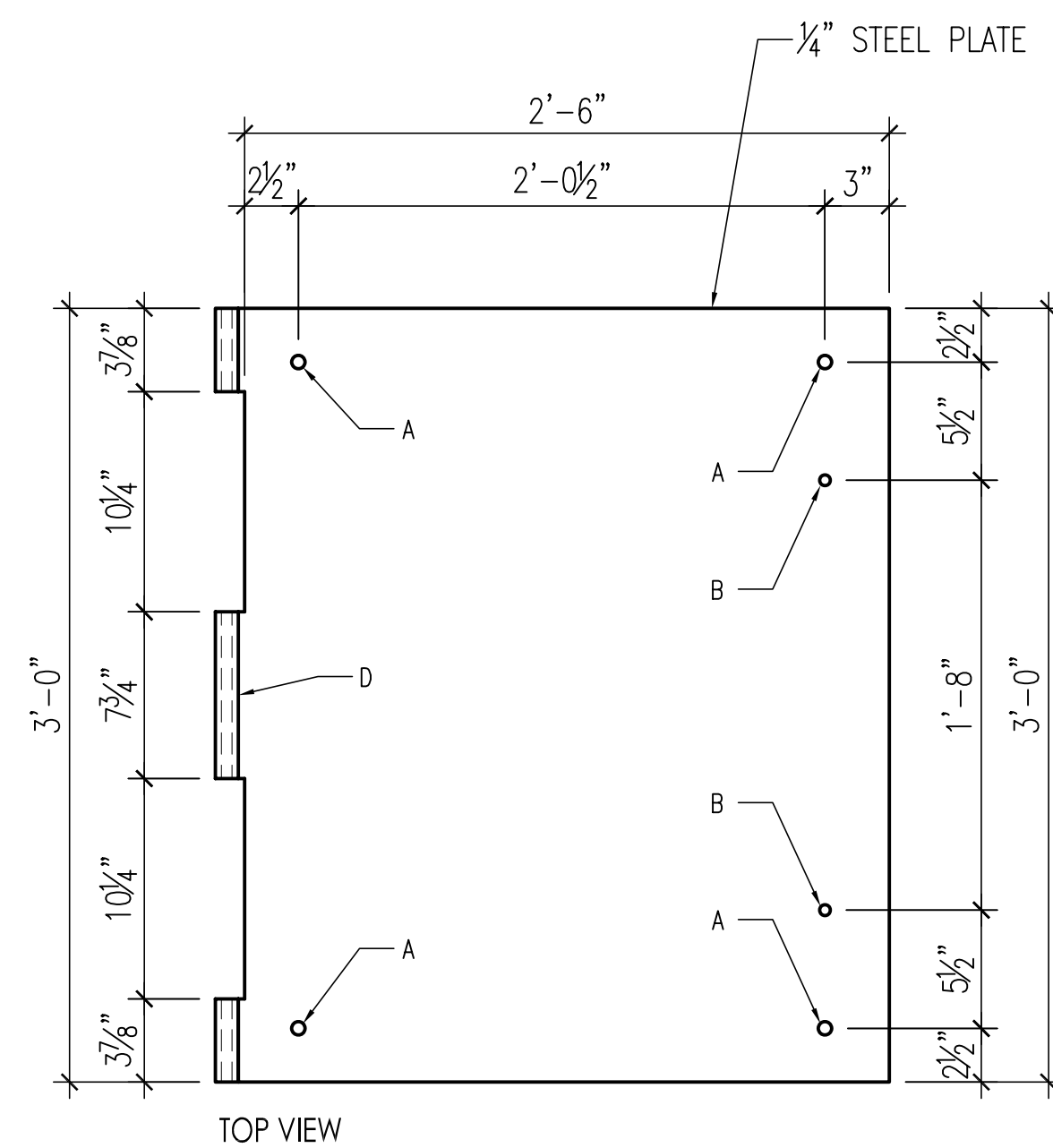
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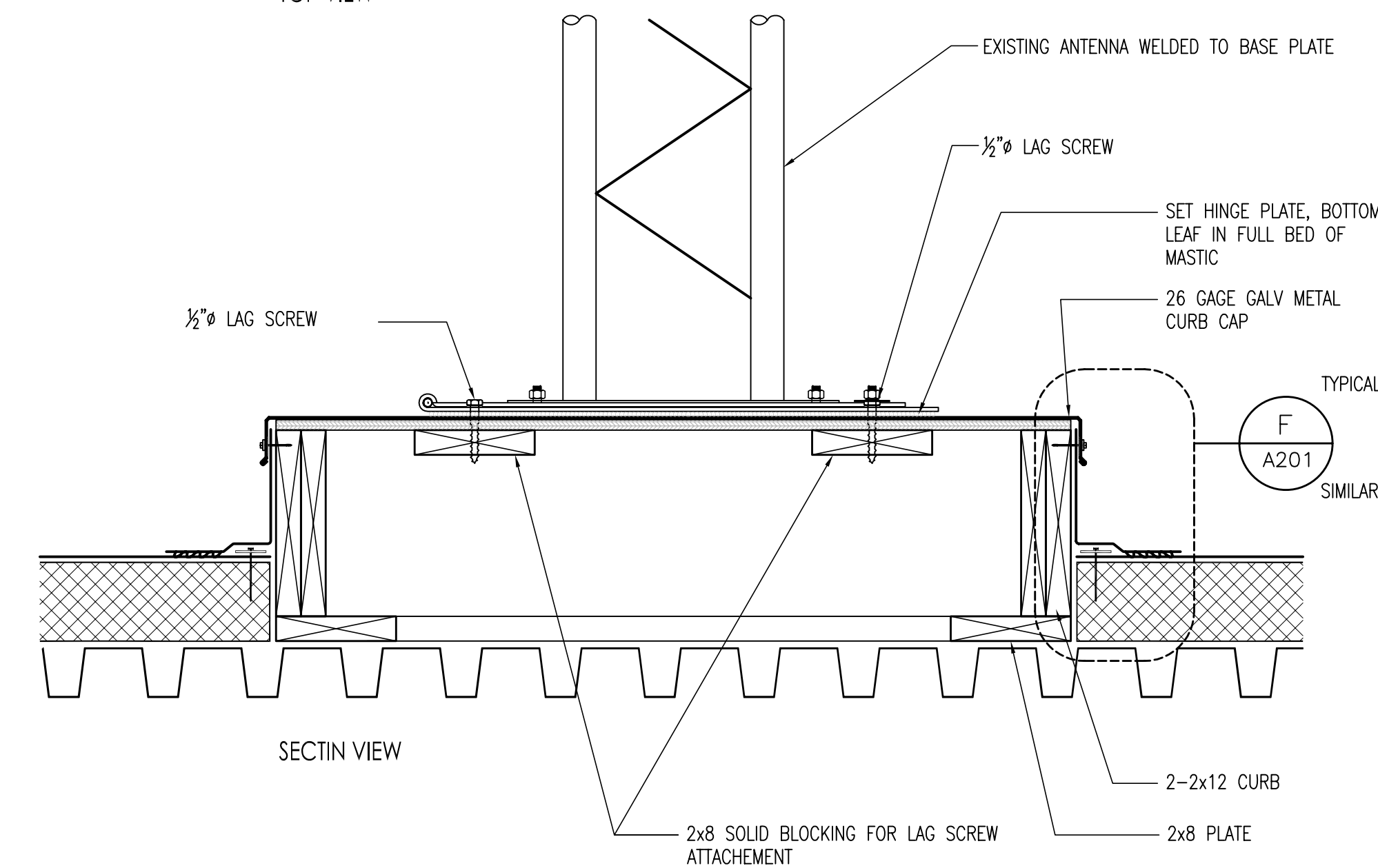
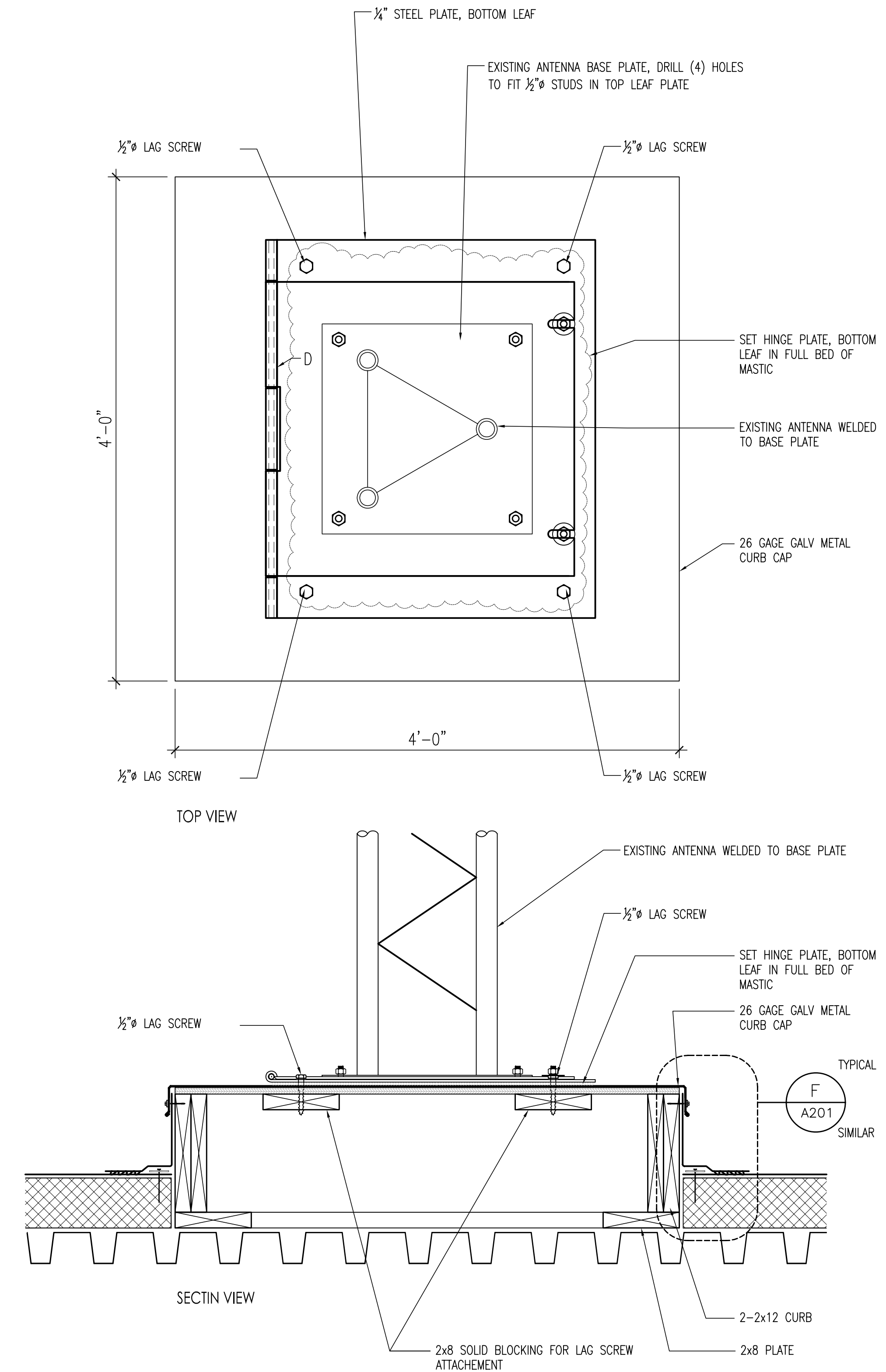
202

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- A. HOLE FOR  $\frac{1}{2}$ " LAG SCREW
- B. NUT AND  $\frac{1}{2}$ " THREADED STUD, 1" LONG, WELDED TO PLATE
- C.  $\frac{3}{4}$ " SLOT FOR STUD
- D. BEND PLATE AROUND  $\frac{1}{2}$ " ROD TO FORM HINGE
- E.  $\frac{1}{2}$ " LAG SCREW
- F. WASHER
- G. MEASURE HOLE SPACING OF EXISTING ANTENNA BASE PLATE IN FIELD AND MATCH WITH NEW  $\frac{1}{2}$ " THREADED STUDS, 1" LONG, WELDED TO PLATE

U ANTENNA HINGE DETAIL  
- 1" = 1'-0"



V ANTENNA CURB DETAIL  
1" = 1'-0"

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WEST JORDAN AASF  
ROOFING SYSTEM REPLACEMENT  
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Description:  
ROOF DETAILS

TSA Project Number:	0826
Date:	09/08/2008

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